aiwa SERVICE

XD-DW1

AU(S),AHC(S)

SERVICE MANUAL

DVD PLAYER

aiwa

S/M Code No. 09-002-339-7R1

TABLE OF CONTENTS

SPECIFICATIONS 3
PROTECTION OF EYES FROM LASER BEAM DURING SERVICING 4
Precaution to replace Optical block 4
DISASSEMBLY INSTRUCTIONS 5-15
ELECTRICAL MAIN PARTS LIST 16-21
TRANSISTOR ILLUSTRATION 21
LCD DISPLAY 22
WIRING-1 (MAIN: COMPONENT SIDE) 23, 24
WIRING-2 (MAIN: 2ND LAYER) 25, 26
WIRING-3 (MAIN: 3RD LAYER) 27, 28
WIRING-4 (MAIN: CONDUCTOR SIDE) 29, 30
SCHEMATIC DIAGRAM-1 (MAIN 1/8) 31, 32
SCHEMATIC DIAGRAM-2 (MAIN 2/8) 33, 34
SCHEMATIC DIAGRAM-3 (MAIN 3/8) 35, 36
SCHEMATIC DIAGRAM-4 (MAIN 4/8) 37, 38
SCHEMATIC DIAGRAM-5 (MAIN 5/8) 39, 40
SCHEMATIC DIAGRAM-6 (MAIN 6/8) 41, 42
SCHEMATIC DIAGRAM-7 (MAIN 7/8) 43, 44
SCHEMATIC DIAGRAM-8 (MAIN 8/8) 45, 46
WIRING-5 (TFT/FR1/FR2/BATT1/BATT2: COMPONENT SIDE) 47, 48
WIRING-6 (TFT/FR1/FR2/BATT1/BATT2: 2ND LAYER) 49, 50
WIRING-7 (TFT/FR1/FR2/BATT1/BATT2: 3RD LAYER) 51, 52
WIRING-8 (TFT/FR1/FR2/BATT1/BATT2: CONDUCTOR SIDE) 53, 54
SCHEMATIC DIAGRAM-9 (TFT) 55, 56
SCHEMATIC DIAGRAM-10 (FR1/FR2) 57
VOLTAGE INFORMATION 58-61
WAVE FORM 62-65
ELECTRICAL ADJUSTMENT 66-71
INITIALIZE MODE 71
IC BLOCK DIAGRAM 72-75
MECHANICAL PARTS LIST 1/1 76
MECHANICAL EXPLODED VIEW 1/1 ..... 77, 78
ACCESSORIES/PACKAGE LIST 79

SPECIFICATIONS

Power supply	120 V AC, 60 Hz <AU(S)> 100-240 V AC, 60 Hz <AHC(S)>
Power consumption	18 W
Weight	Main unit: 970 g (33.95 oz) Battery pack: 520 g (18.2 oz)
External dimensions	165 (W) × 180 (H) × 51 (D) mm (6 1/2 × 7 1/8 × 2 1/8 in.)
Signal format	NTSC <AU(S)> NTSC/PAL <AHC(S)>
Supported discs	DVD video discs 12 cm (single-sided single-layer, single-sided double-layer, double-sided double layer) 8 cm (single-sided single-layer, single-sided double-layer, double-sided double layer) Compact discs (CD-DA, video CD) <AU(S)> 12 cm and 8 cm discs Compact discs (CD-DA, video CD, Super VCD) <AHC(S)> 12 cm and 8 cm discs
S1 video output	Y output: 1 Vp-p (75 ohms, sync negative) C output: 0.286 Vp-p
Video output	Video composite output 1 Vp-p (75 ohms, sync negative) RCA jacks
Audio output	DOWN MIXING AUDIO OUTPUT connector 1.5 Vrms (1 kHz) 2 RCA jacks (L/R) Fiber optical connector (IEC 958)
Audio output characteristics	Frequency range: CD/VCD: 20 Hz to 20 kHz DVD: 4 Hz to 22 kHz (48 kHz sampling) Wow and flutter: unmeasurable
Operating conditions	5˚C to 35˚C (41˚F to 95˚F)

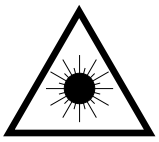
- Design and specifications are subject to change without notice.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynling laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

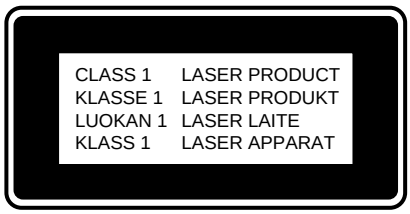
ATTENTION

L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

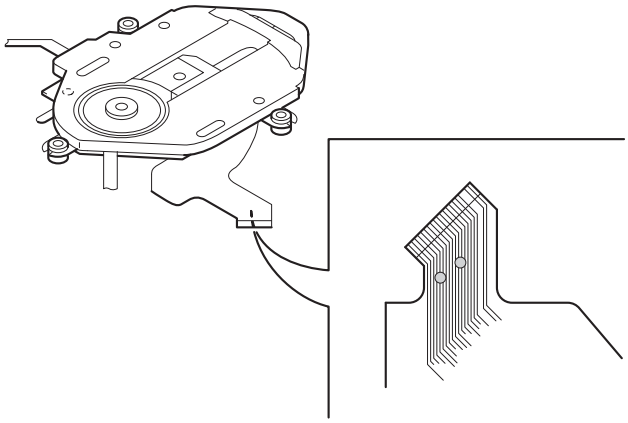
Usynlig laserstråling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.



Precaution to replace Optical block (DV21)

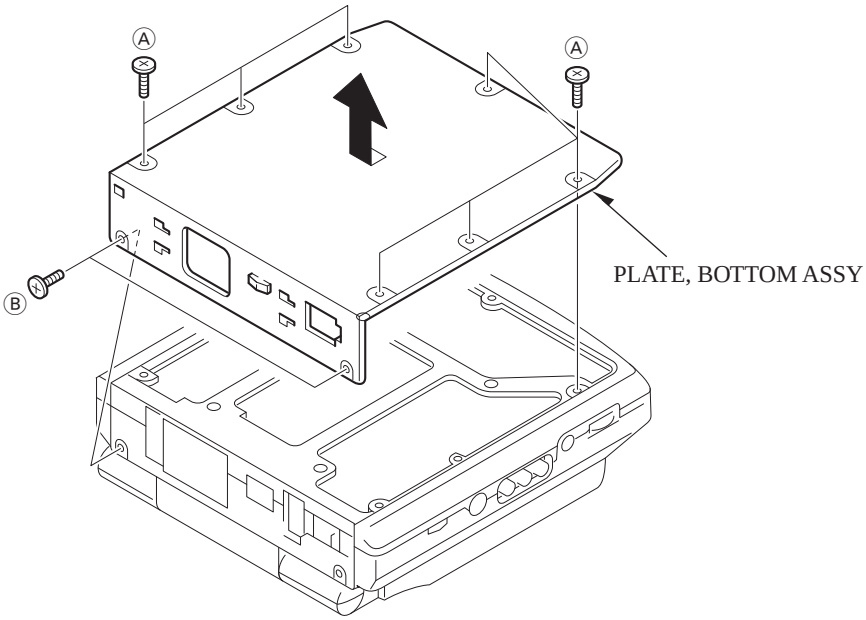
Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.



DISASSEMBLY INSTRUCTIONS

1. CABI, BOTTOM ASSY

(1) Remove screws A (×7) and B (×2), and remove the PLATE, BOTTOM ASSY from the unit.

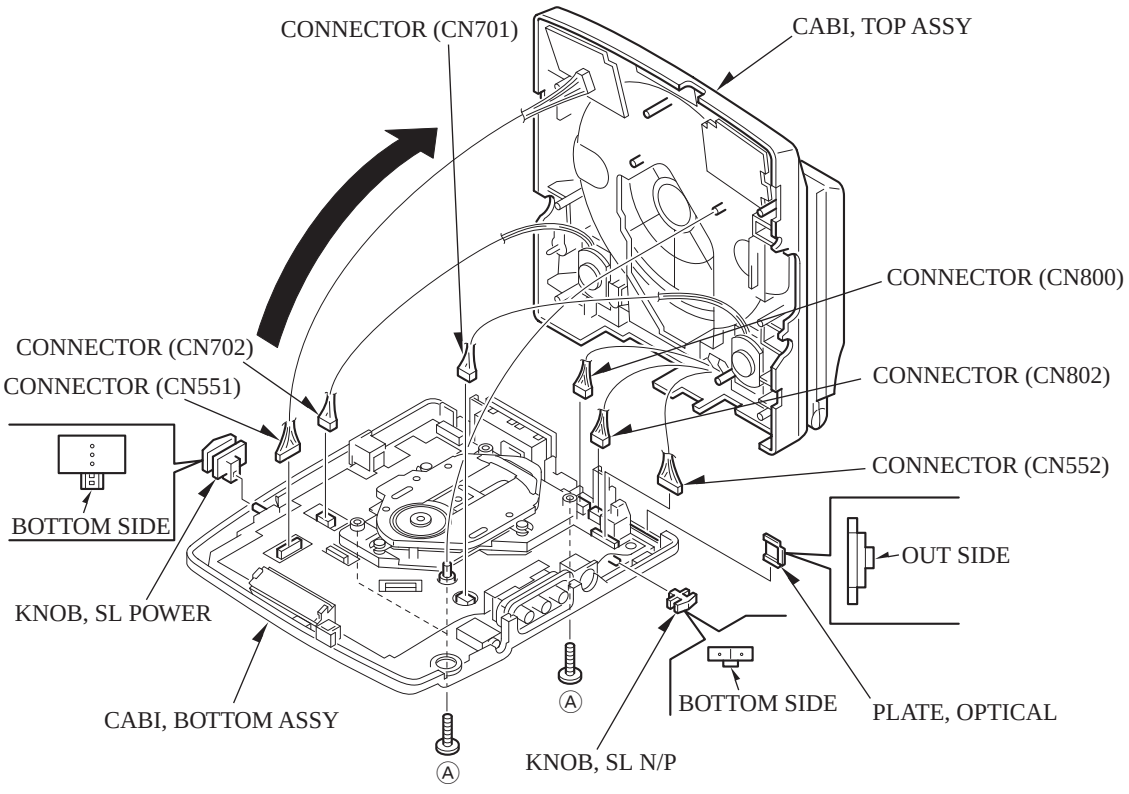


(2) Remove the screws A (×3) on the CABI, BOTTOM ASSY side and disassemble the unit into the CABI, TOP ASSY and CABI, BOTTOM ASSY.

(3) Remove the connectors connected to each of CN551, CN552, CN701, CN702, CN800 and CN802, and remove each of the KNOB, SL N/P and PLATE, OPTICAL and KNOB, SL POWER knobs.

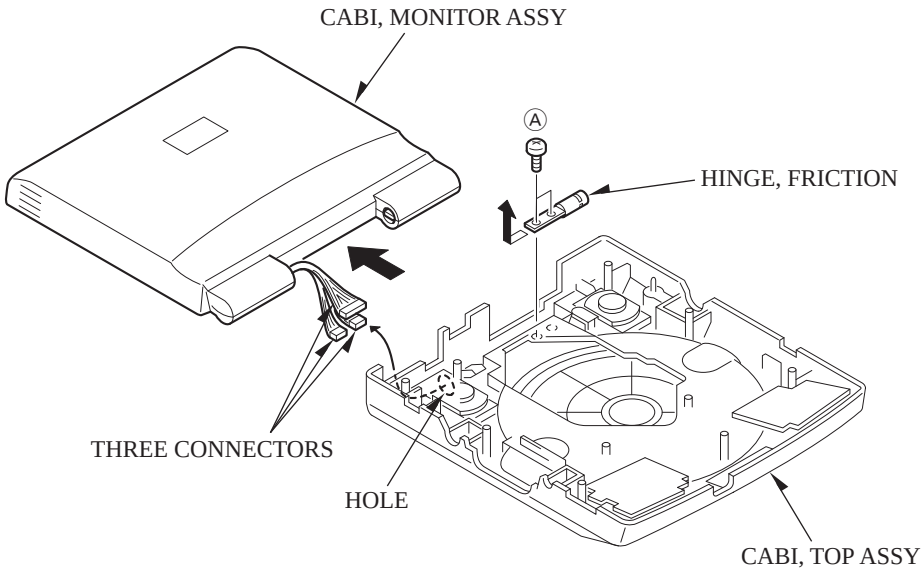
Note During Assembling:

Twist the connectors to be connected to CN551 and CN552 clockwise five times, then insert them.
Be careful of the upward and downward directions of the wiring and KNOB, SL N/P and PLATE, OPTICAL and KNOB, SL POWER.



2. CABI, MONITOR ASSY

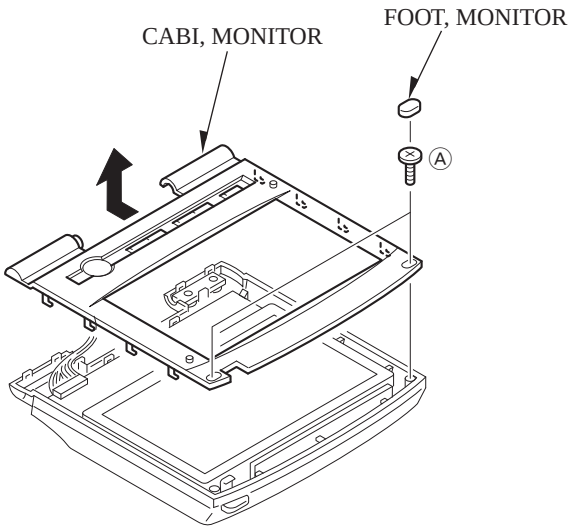
(1) Remove the screws A (×2) and remove the HINGE, FRICTION.
  • Before disassembling, fully open the CABI, MONITOR ASSY. When assembling the ASSY, leave it open.
(2) Remove the CABI, MONITOR ASSY from the unit.
  • Remove the three connectors from the holes.



(3) Remove the screws A (×2) under the FOOT, MONITOR and remove the CABI, MNT while sliding it in the direction of the arrow.

Note During Assembling:

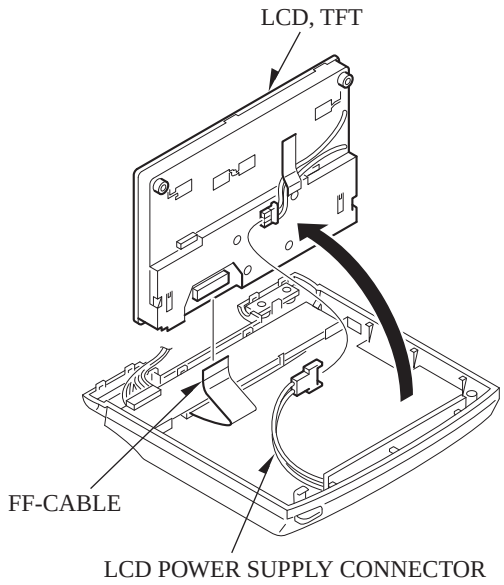
Be careful not to pinch the wires and not to intertwist each wire.



(4) Pull the LCD, TFT in the direction of the arrow and remove the LCD power supply connector and FF-CABLE, 30P 0.8 TFT from the PWB, TFT, then remove the LCD, TFT.

Note During Assembling:

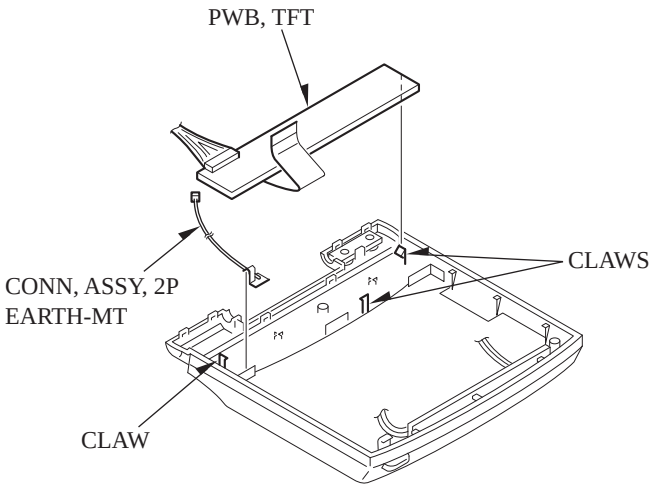
Be careful not to disconnect the two wires.



(5) Remove the three claws and remove the PWB, TFT. Then, remove the CONN ASSY, 2P EARTH-MT.

Note During Assembling:

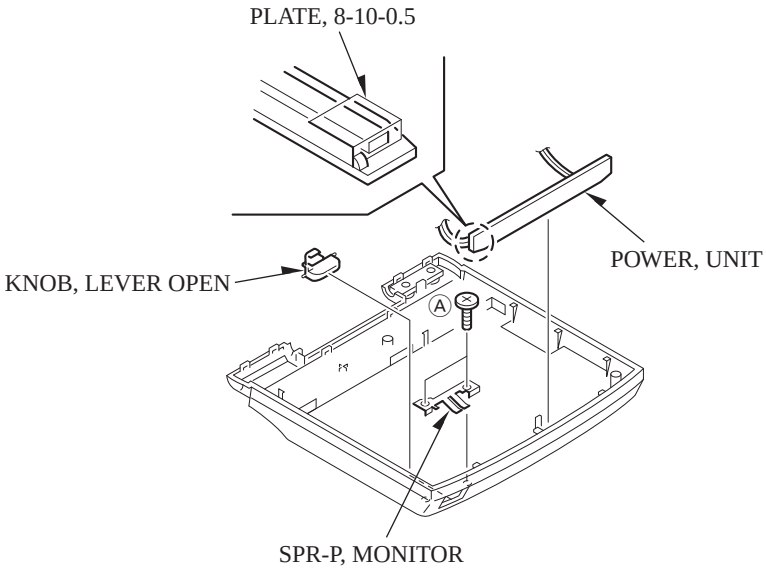
Be careful not to touch the SFR of the PWB, TFT.



(6) After removing the POWER, UNIT, remove the screws A (×2). Then, remove the SPR P, MONITOR and the KNOB, LEVER OPEN.

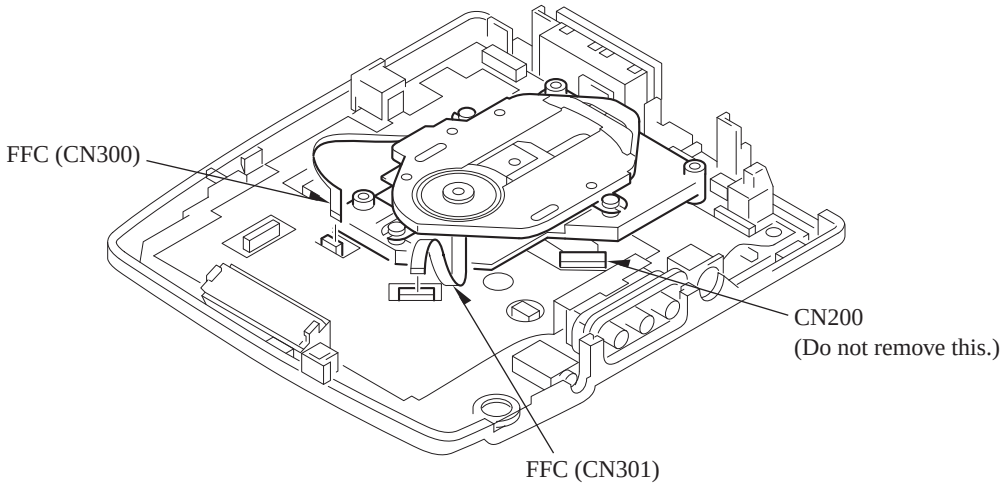
Note During Assembling:

Confirm that the PLATE, 8-10-0.5 at the right edge of the POWER UNIT is securely fixed. If it is not fixed securely, fix it again.

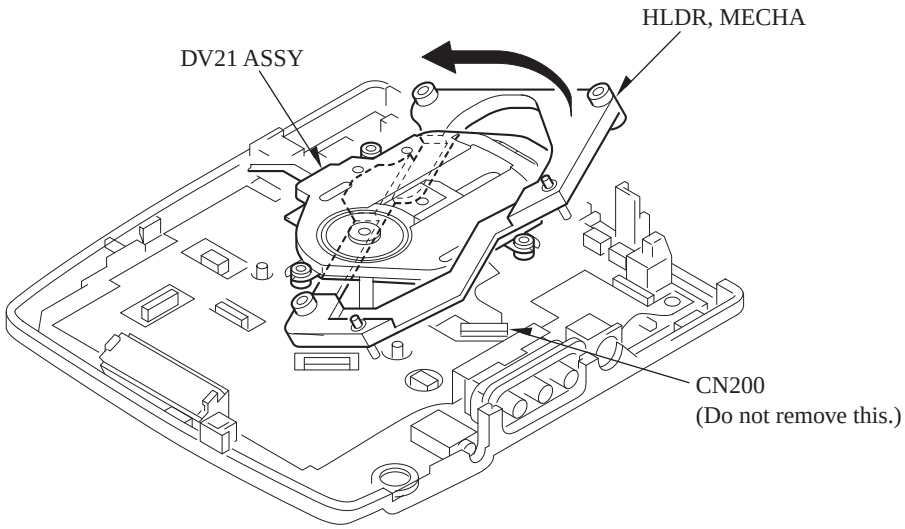


3. DVD MECHANISM and PWB, MAIN

(1) Remove the FFC connected to CN300 and CN301.
- Do not remove the FFC connected to CN200.



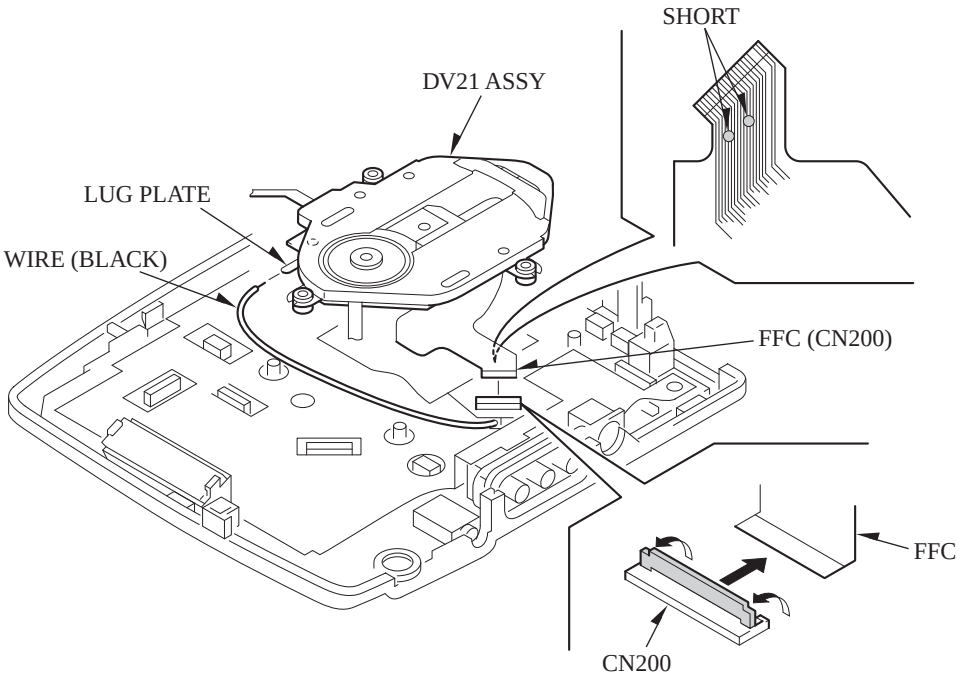
(2) Lift up the DV21 ASSY gently and remove the HLDR, MECHA in the direction of the arrow.
- Do not remove the FFC connected to CN200.



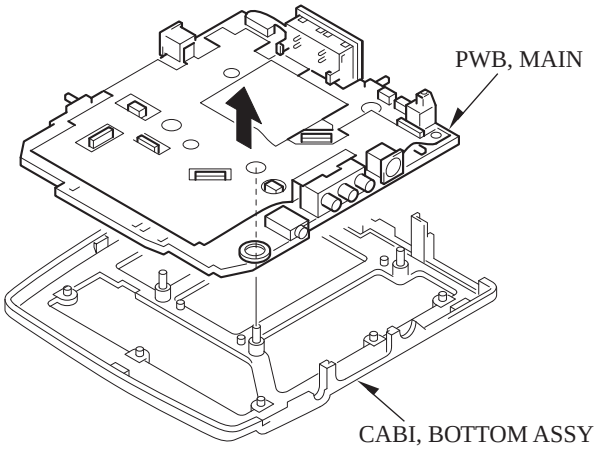
(3) Solder the two short lands of the FFC connected to CN200 to short them.
(4) Remove the FFC connected to CN200.
• To unlock, pull the brown portion of CN200 to the front.
(5) Remove the wire (black) soldered on the lug plate of the DV21 ASSY.

Note During Assembling:

Be careful of wiring (route it under the HLDR, MECHA.)



(6) Remove the PWB, MAIN from the CABI, BOTTOM ASSY.

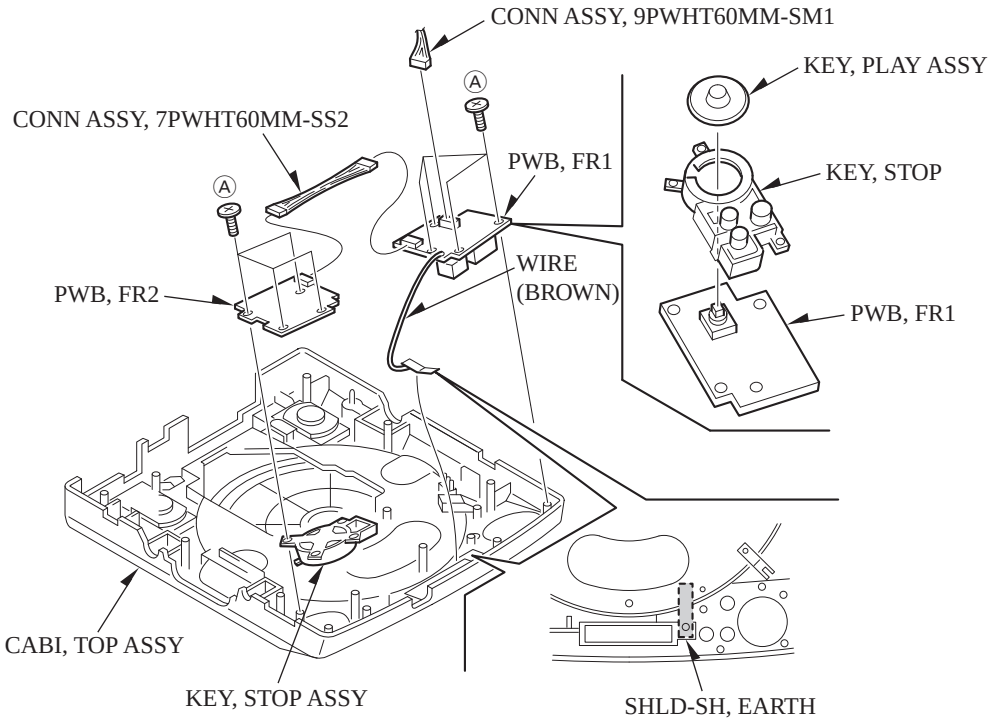


4. OPERATION PWB

(1) Remove the CONN ASSY, 7PWHT60MM-SS2, CONN ASSY and 9PWHT60MM-SM1.
(2) Remove the wire (brown) coming from the PWB, FR1.

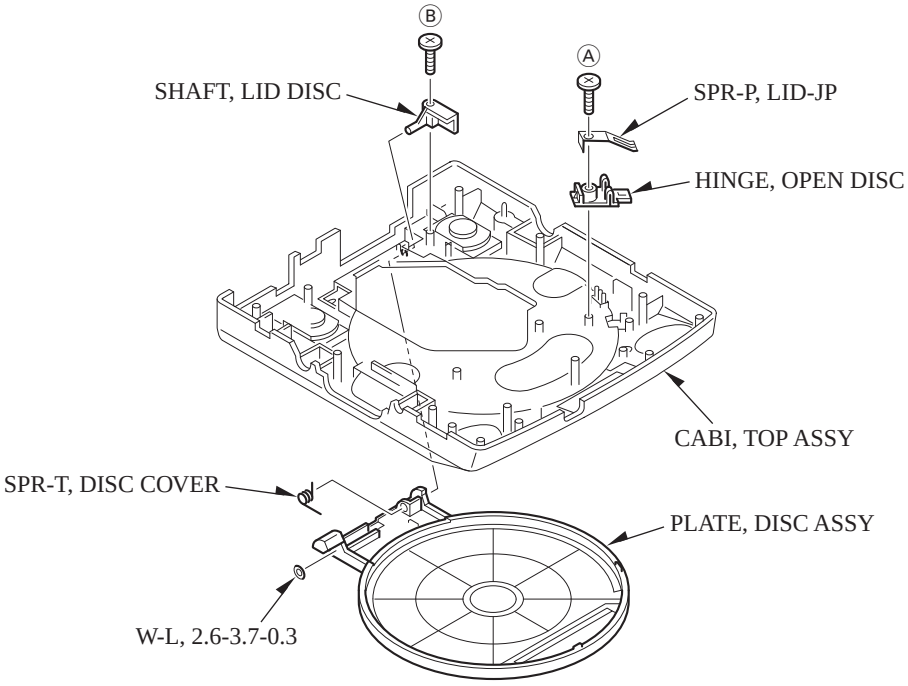
Note During Assembling:
Stick securely the SHLD-SH, EARTH connecting the rear side of the CABI, TOP ASSY and the aluminum portion of the WINDOW.

(3) Remove the screws A (four each) and remove the PWB, FR1 and PWB, FR2.
(4) Remove the KEY, STOP ASSY.
(5) Remove the KEY, PLAY ASSY and KEY, STOP from the PWB, FR1.
• Take extra care when handling the CABI, TOP ASSY whose rear side is coated by conductive paint.

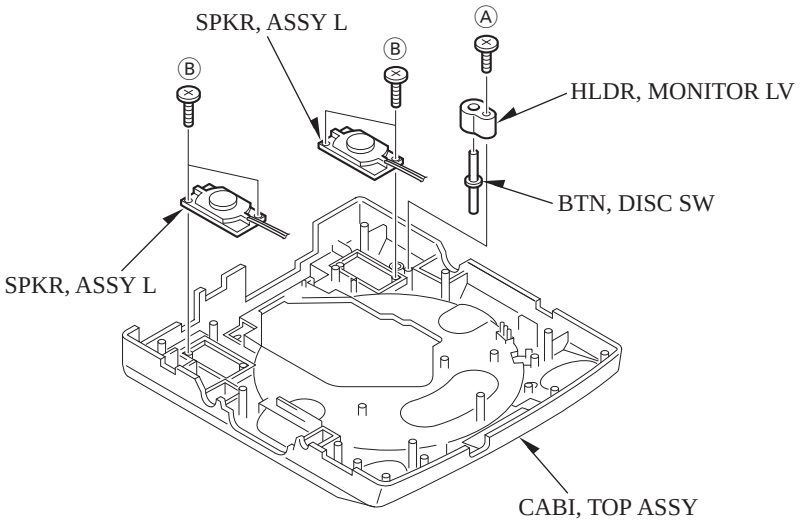


5. CABI, TOP ASSY

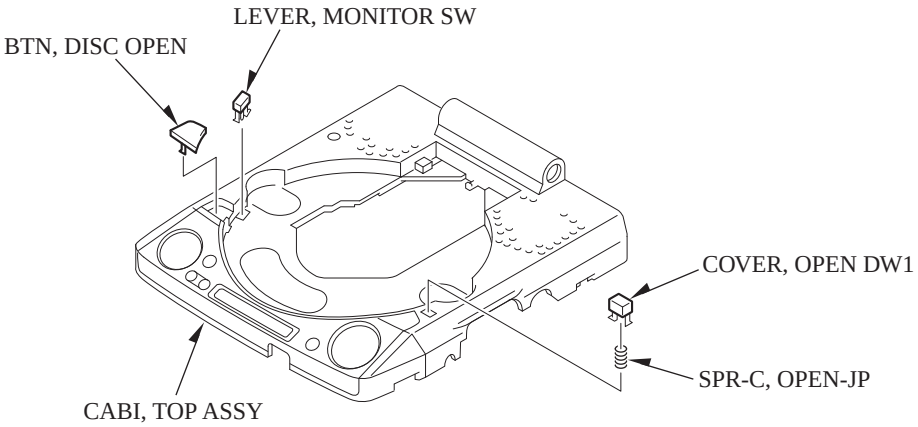
(1) Remove the screw B (×1) on the rear side of the CABI, TOP ASSY and remove SPR-P, LID-JP and HINGE, OPEN DISC.
(2) Remove the screw A (×1) on the rear side of the CABI, TOP ASSY and remove the SHAFT, LID DISC.
(3) Remove the PLATE, DISC ASSY.
(4) Remove the SPR-T, DISC COVER and washer on the rear side of the PLATE, DISC ASSY.



(5) Remove the screw A (×1) on the rear side of the CABI, TOP ASSY and remove the HLDR, MONITOR LV and BTN, DISC SW.
(6) Remove the screw B (two each) on the rear side of the CABI, TOP ASSY and remove the SPKR ASSY R and L.

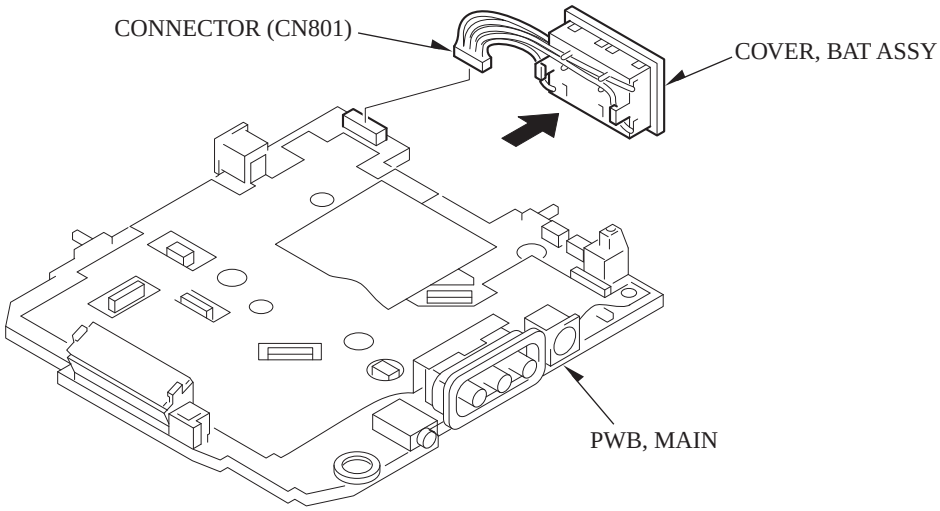


(7) Remove the BTN, DISC OPEN and LEVER, MONITOR SW and COVER, OPEN DW1 and SPR-C and OPEN-JP on the front side of the CABI, TOP ASSY.

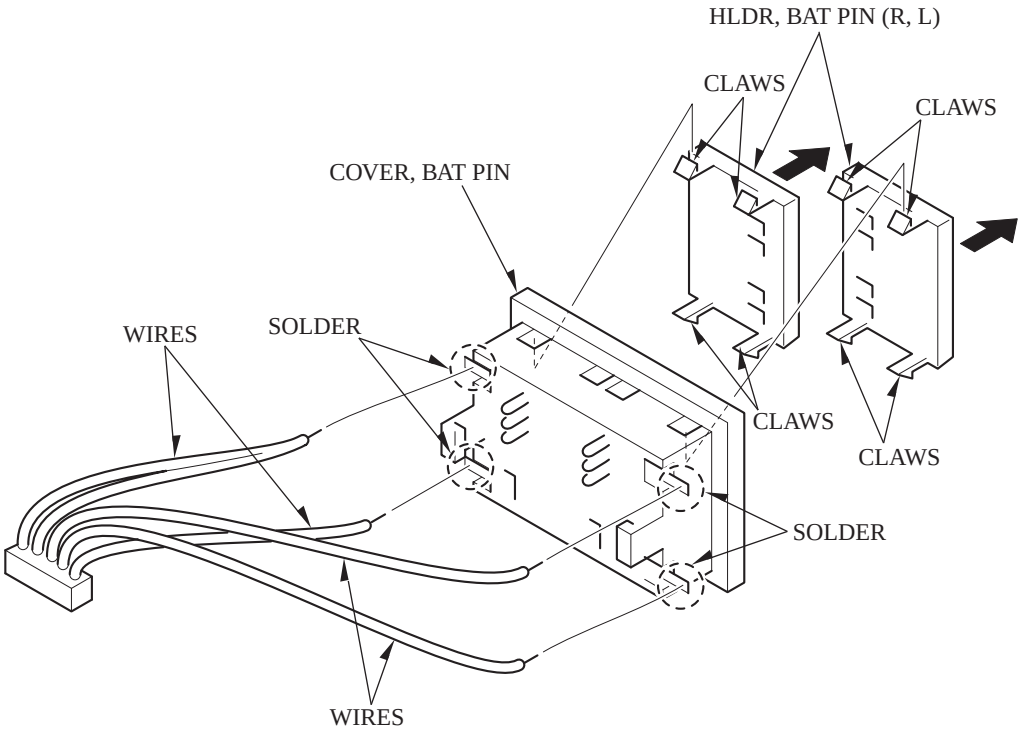


6. COVER, BAT ASSY

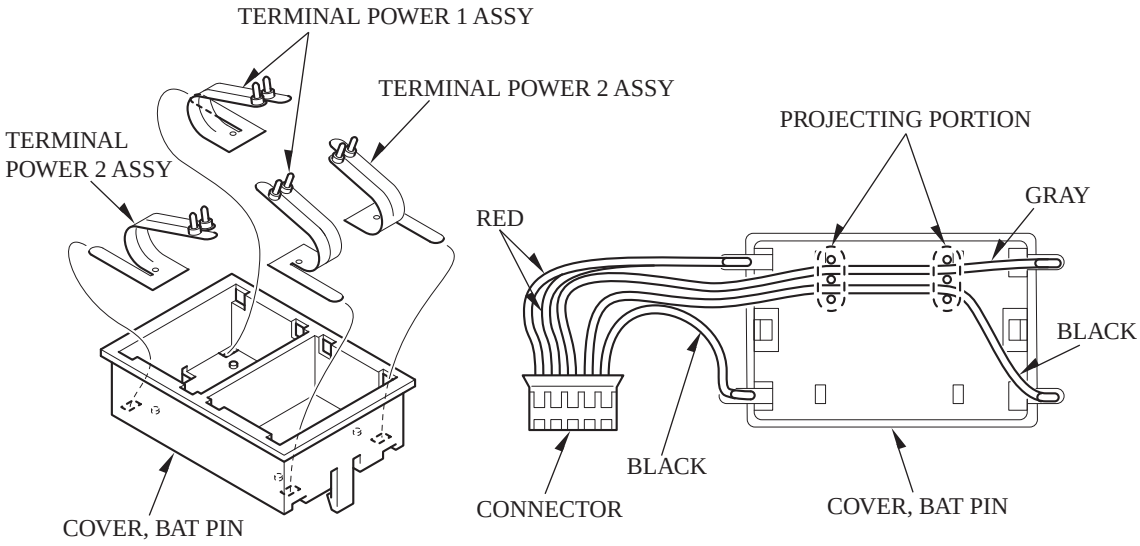
(1) Remove the connector connected to CN801.
(2) Remove the COVER, BAT ASSY from the PWB, MAIN.



(3) Remove the wire soldered on the four terminals.
• Wipe off any solder remaining on the terminals.
(4) Remove the four claws respectively and remove the HLDR, BAT PIN (R, L).

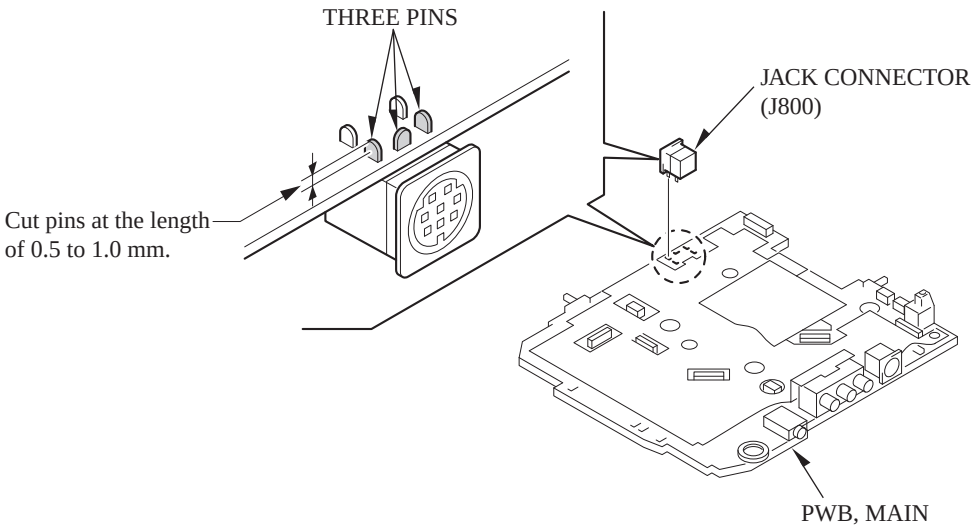


(5) Remove the TERMINAL, POWER1 ASSYs (×2) and TERMINAL, POWER2 ASSYs (×2) from the COVER, BAT PIN.
• Before assembling, return the wire to the original position (route it under the projecting portion).

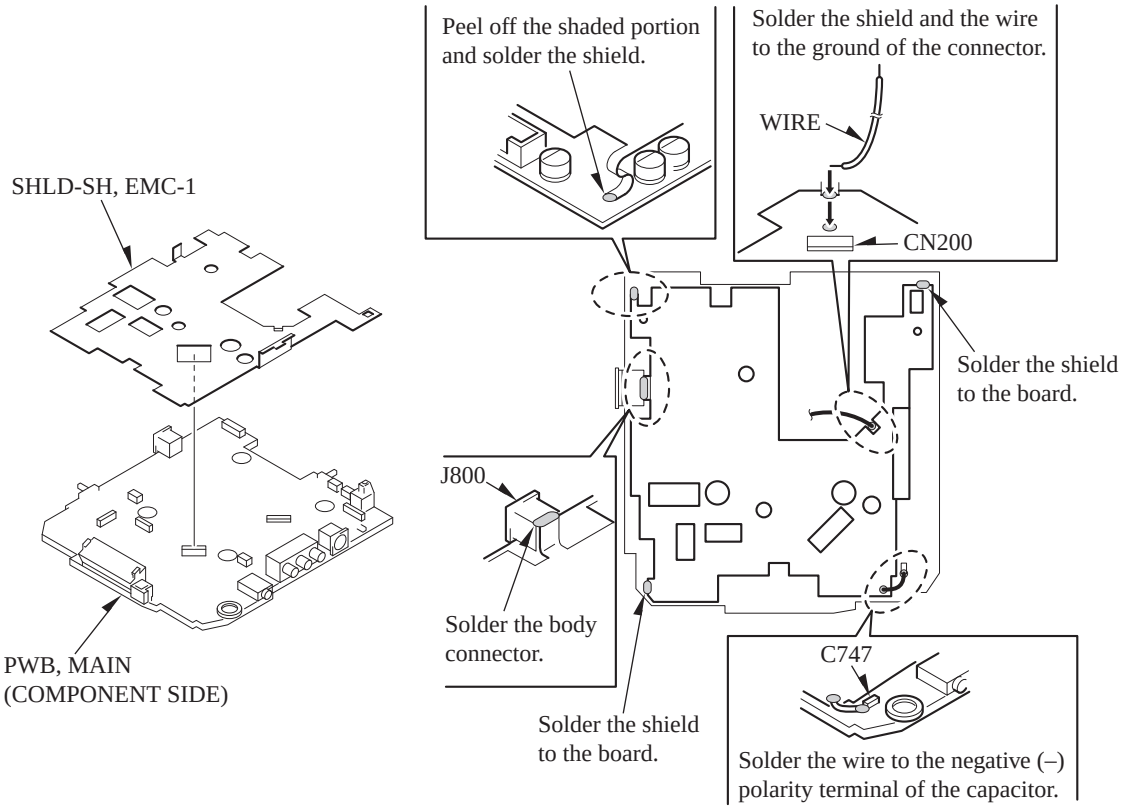


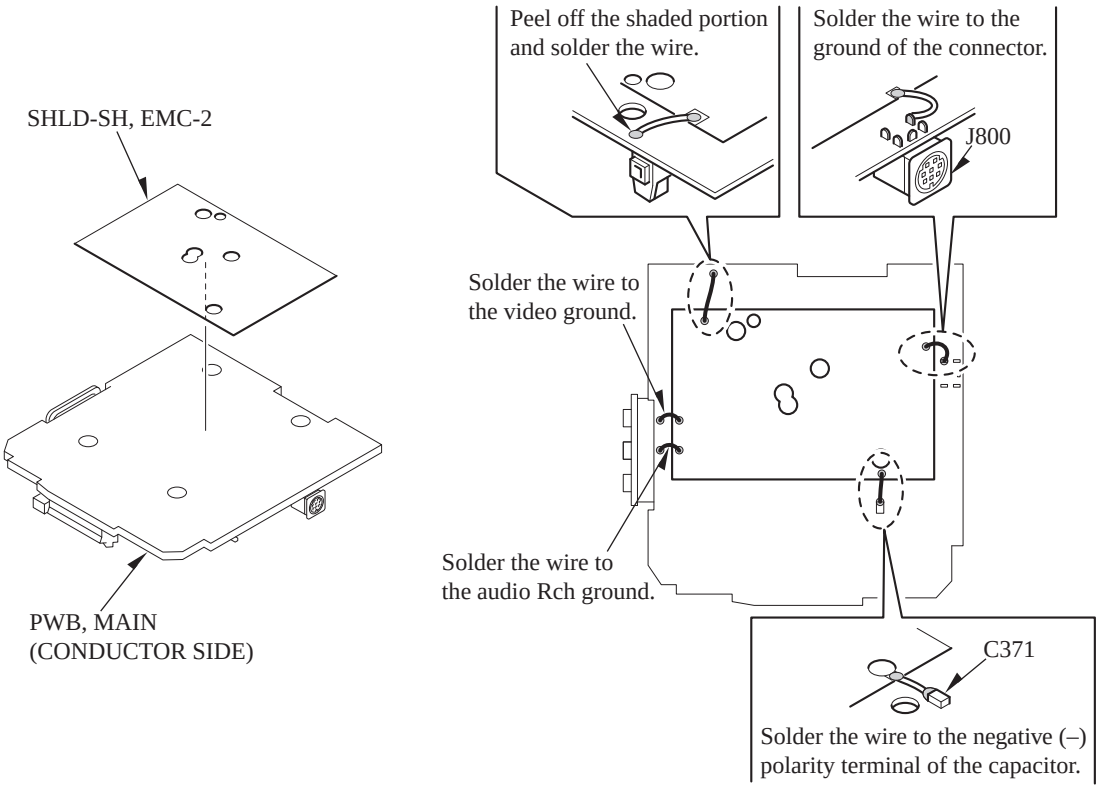
7. Appendix

(1) Before replacing J800 (JACK, CMS 5008-0902), cut three legs among the five ones of the connector by 0.5 to 1.0 mm.

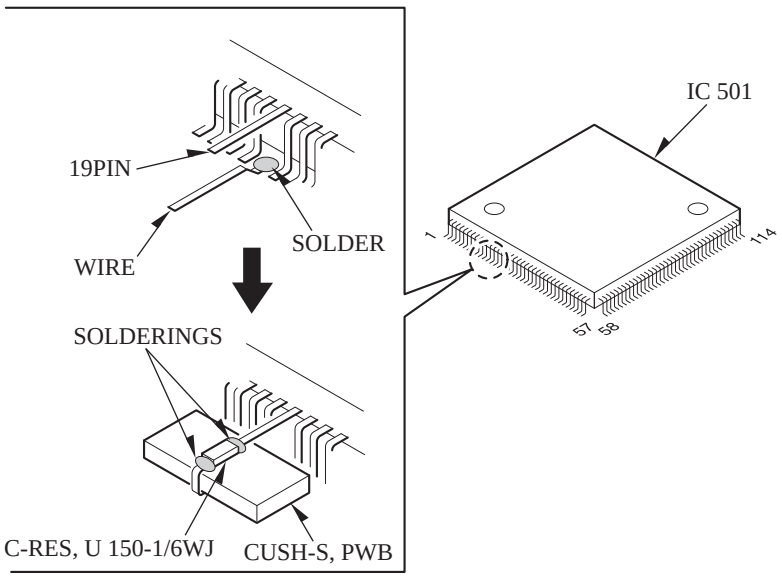


(2) Assembling procedure of the SHLD-SH, EMC-1 and SHLD-SH, EMC-2.

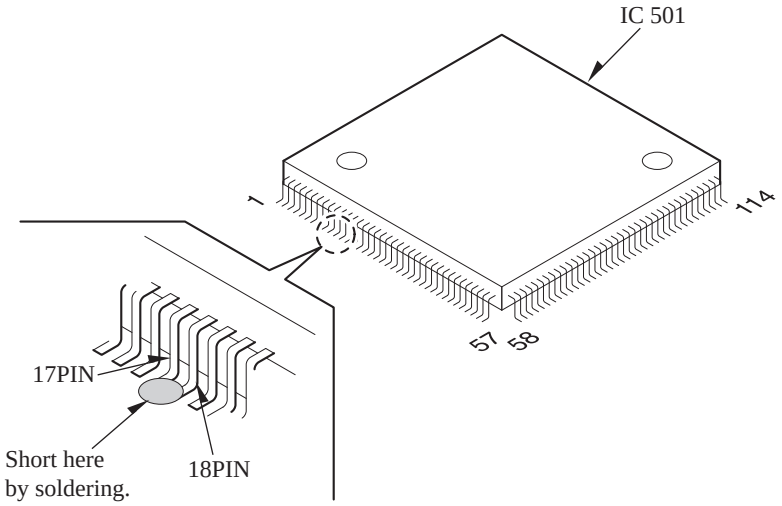




(3-1) Models whose MAIN PCB No. is “8Z-HU1-601-01”
Pin-19 of IC501 is temporarily unsoldered and a chip-resistor is connected instead.



(3-2) Models whose MAIN PCB No. is “8Z-HU1-601-11”
The portion between pin-17 and pin-18 of IC501 is shorted by soldering.



ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC			
	87-A21-498-010		C-IC,IR3Y29BM
	87-A21-074-040		C-IC,HC4066PW
	87-002-272-080		IC,TC4052BF
	87-A20-140-040		C-IC,NJM3414V
	87-A21-497-040		C-IC,DS1669S-10
	87-A21-492-010		C-IC,TA1293F
	87-070-190-040		IC,NJM2115V
	87-A21-496-040		C-IC,LA6393M
	87-A21-494-010		C-IC,TC9453F
	87-A21-514-030		C-IC,GLT42016-40TC
	87-A21-056-040		C-IC,TC7S66F
	87-020-818-080		IC,TC4066BF
	87-A21-516-040		C-IC,BA5954FP
	87-A21-517-040		C-IC,BA6849FP
	87-A21-495-010		C-IC,TMP95C265F
	87-001-604-080		IC,TC74HCU04F
	8Z-HU1-620-010		C-IC,AT49F1025-70JC
	87-A21-493-010		C-IC,TC9469BF
	87-A21-515-040		C-IC,GLT44016-40TC
	87-002-379-080		IC,TC74HC373AF
	87-A21-512-010		C-IC,LS500
	8Z-AV2-633-010		C-IC,MB81F161622B
	8Z-HU1-622-010		C-IC ASSY,MBM29LV800BA
	87-A21-505-040		C-IC,TC7WU04FU
	87-A21-508-010		IC,RPM6938
	87-017-825-010		IC,GP1F32T
	87-017-506-080		IC,PST600 JMT
	88-KT1-608-010		C-IC,LC75854W
	87-A21-509-010		C-IC,ADV7170KSU
	87-A21-507-040		C-IC,MM1226XF
	87-A20-036-080		C-IC,NJM2233BM
	87-017-462-080		IC,NJM2268M
	87-A21-583-040		C-IC,TK11250BMCL
	87-A21-510-040		C-IC,PCM1716
	87-017-585-080		IC,NJM4580E
	87-001-792-080		IC,NJM2100M
	87-017-832-080		C-IC,TC74HC4066AF
	87-020-784-080		IC,TC4053BF
	87-A21-077-040		C-IC,NJW1105M
	87-A21-085-040		C-IC,TA2120FN
	87-A21-480-040		C-IC,MM1305BWBE
	87-A20-965-040		C-IC,S-80842ANNP-ED6
	87-A21-032-080		C-IC,S-8520B28MC
	87-A21-332-040		C-IC,MB3800PFV
	87-A21-549-080		C-IC,S-816A25AMC-BAA-T2
TRANSISTOR			
	87-026-342-080		CHIP-TR,DTC144EU
	87-A30-143-080		C-TR,2SA1576A
	87-A30-377-040		C-TR,2SB815B7
	87-026-350-080		CHIP TRANSISTOR DTC114TU
	89-341-165-080		C-TR,2SC4116GR
	87-A30-396-040		C-TR,DTA144TUA
	89-110-372-080		TR,2SA1037(140MHZ 200MW)
	89-333-266-080		CHIP TR,2SC3326B
	89-324-122-080		TR,2SC2412K
	87-026-352-080		C-TR,DTC144TU
	89-115-864-080		C-TR,2SA1586Y
	87-026-334-080		CHIP TRANSISTOR DTA143TU
	87-A30-201-040		C-FET,2SJ418
	87-A30-033-080		C-FET,2SK2035
	87-026-327-080		C-TR,DTA144EU
	87-A30-382-040		C-FET,FTS1002
	89-112-134-080		TR,2SA1213Y (1W)
	87-A30-381-040		C-TR,2SC5569
	87-A30-384-040		C-FET,TPC8106-H
	89-214-123-080		TR,2SB1412 R
	87-A30-380-040		C-FET,TPC8003

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
DIODE			
	87-017-799-080		C-DIODE,1SS352
	87-020-027-080		CHIP-DIODE 1SS184
	87-017-975-080		C-DIODE,HN1D01FU
	87-020-331-080		C-DIODE,DAN202K
	87-001-165-080		DIODE,1SS300 (100MA)
	87-001-142-080		DIODE,1SS294 (100MA)
	87-A40-676-040		C-ZENER,UDZ11B
	87-017-990-080		C-DIODE,U2FWJ44N
	87-A40-797-040		C-DIODE,SBE001
	87-A40-412-040		C-DIODE,SB05-05CP
	87-001-166-080		DIODE,1SS301
	87-A40-811-040		C-DIODE,CRZ15
	87-A40-812-040		C-DIODE,CRZ22
MAIN C.B			
C200	87-010-831-080		C-CAP,U,0.1-16F
C201	87-010-831-080		C-CAP,U,0.1-16F
C202	87-016-558-080		C-CAP,TN47-6.3F93B
C203	87-012-286-080		CAP, U 0.01-25
C204	87-016-558-080		C-CAP,TN47-6.3F93B
C205	87-010-831-080		C-CAP,U,0.1-16F
C206	87-010-831-080		C-CAP,U,0.1-16F
C207	87-016-558-080		C-CAP,TN47-6.3F93B
C208	87-012-286-080		CAP, U 0.01-25
C209	87-016-558-080		C-CAP,TN47-6.3F93B
C210	87-012-274-080		CHIP CAP,U 1000P-50B
C211	87-012-286-080		CAP, U 0.01-25
C212	87-016-558-080		C-CAP,TN47-6.3F93B
C213	87-012-274-080		CHIP CAP,U 1000P-50B
C214	87-010-831-080		C-CAP,U,0.1-16F
C215	87-012-286-080		CAP, U 0.01-25
C216	87-016-558-080		C-CAP,TN47-6.3F93B
C217	87-016-558-080		C-CAP,TN47-6.3F93B
C218	87-010-831-080		C-CAP,U,0.1-16F
C219	87-010-831-080		C-CAP,U,0.1-16F
C220	87-010-831-080		C-CAP,U,0.1-16F
C221	87-012-274-080		CHIP CAP,U 1000P-50B
C222	87-012-274-080		CHIP CAP,U 1000P-50B
C223	87-012-172-080		CAPACITOR CHIP U 10P CH
C224	87-010-831-080		C-CAP,U,0.1-16F
C225	87-012-286-080		CAP, U 0.01-25
C226	87-016-558-080		C-CAP,TN47-6.3F93B
C227	87-010-831-080		C-CAP,U,0.1-16F
C228	87-012-282-080		CAP, U 4700P-50
C229	87-012-282-080		CAP, U 4700P-50
C230	87-010-831-080		C-CAP,U,0.1-16F
C231	87-012-274-080		CHIP CAP,U 1000P-50B
C232	87-010-831-080		C-CAP,U,0.1-16F
C233	87-012-286-080		CAP, U 0.01-25
C234	87-016-558-080		C-CAP,TN47-6.3F93B
C236	87-012-336-080		CAP, CHIP SS 3300 SL
C237	87-012-336-080		CAP, CHIP SS 3300 SL
C238	87-012-282-080		CAP, U 4700P-50
C239	87-012-336-080		CAP, CHIP SS 3300 SL
C240	87-010-831-080		C-CAP,U,0.1-16F
C241	87-012-180-080		C-CAP,U 22P-50 CH
C242	87-016-558-080		C-CAP,TN47-6.3F93B
C243	87-012-286-080		CAP, U 0.01-25
C244	87-010-831-080		C-CAP,U,0.1-16F
C245	87-010-831-080		C-CAP,U,0.1-16F
C246	87-010-831-080		C-CAP,U 0.1-16 Z F
C247	87-010-831-080		C-CAP,U 0.1-16 Z F
C250	87-016-558-080		C-CAP,TN47-6.3F93B
C251	87-016-558-080		C-CAP,TN47-6.3F93B
C252	87-016-558-080		C-CAP,TN47-6.3F93B

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C253	87-016-558-080		C-CAP,TN47-6.3F93B
C254	87-016-558-080		C-CAP,TN47-6.3F93B
C255	87-A11-031-080		C-CAP,E 100-16 M WX
C299	87-016-669-080		C-CAP,S 0.1-25 K B
C300	87-A11-946-080		C-CAP,TN 100-6.3 M F93 C
C301	87-010-831-080		C-CAP,U,0.1-16F
C302	87-016-558-080		C-CAP,TN47-6.3F93B
C303	87-016-558-080		C-CAP,TN47-6.3F93B
C304	87-012-172-080		CAPACITOR CHIP U 10P CH
C305	87-012-172-080		CAPACITOR CHIP U 10P CH
C306	87-012-278-080		C-CAP,U 2200P-50 B
C307	87-010-831-080		C-CAP,U,0.1-16F
C308	87-010-831-080		C-CAP,U,0.1-16F
C309	87-010-831-080		C-CAP,U,0.1-16F
C310	87-010-831-080		C-CAP,U,0.1-16F
C311	87-010-831-080		C-CAP,U,0.1-16F
C312	87-010-831-080		C-CAP,U,0.1-16F
C313	87-A11-946-080		C-CAP,TN 100-6.3 M F93 C
C314	87-010-831-080		C-CAP,U,0.1-16F
C315	87-A11-946-080		C-CAP,TN 100-6.3 M F93 C
C316	87-010-831-080		C-CAP,U,0.1-16F
C317	87-010-831-080		C-CAP,U,0.1-16F
C318	87-010-831-080		C-CAP,U,0.1-16F
C319	87-010-831-080		C-CAP,U,0.1-16F
C320	87-010-831-080		C-CAP,U,0.1-16F
C321	87-012-197-080		C-CAP,U 150P-50 CH
C322	87-012-197-080		C-CAP,U 150P-50 CH
C323	87-010-831-080		C-CAP,U,0.1-16F
C324	87-010-831-080		C-CAP,U,0.1-16F
C325	87-010-831-080		C-CAP,U,0.1-16F
C326	87-012-286-080		CAP, U 0.01-25
C327	87-012-286-080		CAP, U 0.01-25
C328	87-012-280-080		CAP, U 3300P-50
C329	87-012-282-080		CAP, U 4700P-50
C330	87-012-284-080		CAP, U 6800P-50
C331	87-016-558-080		C-CAP,TN47-6.3F93B
C332	87-012-195-080		C-CAP,U 100P-50CH
C333	87-012-270-080		CAP, U 470P-50
C334	87-012-277-080		C-CAP, U 1800P-50 B
C335	87-012-275-080		C-CAP,U 1200P-50 B
C336	87-010-831-080		C-CAP,U,0.1-16F
C337	87-010-831-080		C-CAP,U,0.1-16F
C338	87-010-831-080		C-CAP,U,0.1-16F
C339	87-010-831-080		C-CAP,U,0.1-16F
C340	87-010-831-080		C-CAP,U,0.1-16F
C341	87-012-336-080		CAP, CHIP SS 3300 SL
C342	87-012-336-080		CAP, CHIP SS 3300 SL
C343	87-A10-794-080		C-CAP,U 0.15-16 Z F
C344	87-010-831-080		C-CAP,U,0.1-16F
C345	87-010-831-080		C-CAP,U,0.1-16F
C346	87-010-831-080		C-CAP,U,0.1-16F
C347	87-010-831-080		C-CAP,U,0.1-16F
C348	87-010-831-080		C-CAP,U,0.1-16F
C349	87-010-831-080		C-CAP,U,0.1-16F
C350	87-010-831-080		C-CAP,U,0.1-16F
C351	87-010-831-080		C-CAP,U,0.1-16F
C352	87-016-558-080		C-CAP,TN47-6.3F93B
C353	87-010-831-080		C-CAP,U,0.1-16F
C354	87-012-195-080		C-CAP,U 100P-50CH
C355	87-012-286-080		CAP, U 0.01-25
C356	87-A10-707-080		C-CAP,U 0.47U-16 F Z
C357	87-010-831-080		C-CAP,U,0.1-16F
C358	87-016-558-080		C-CAP,TN47-6.3F93B
C359	87-016-558-080		C-CAP,TN47-6.3F93B
C360	87-010-831-080		C-CAP,U,0.1-16F
C361	87-012-335-080		C-CAP,U 270P-50 SL
C362	87-010-831-080		C-CAP,U,0.1-16F
C363	87-010-831-080		C-CAP,U,0.1-16F
C371	87-016-558-080		C-CAP,TN47-6.3F93B
C372	87-010-831-080		C-CAP,U,0.1-16F
C373	87-010-831-080		C-CAP,U,0.1-16F
C374	87-A11-031-080		C-CAP,E 100-16 M WX
C375	87-010-831-080		C-CAP,U,0.1-16F
C381	87-010-831-080		C-CAP,U,0.1-16F
C382	87-010-831-080		C-CAP,U,0.1-16F
C383	87-A11-946-080		C-CAP,TN 100-6.3 M F93 C
C400	87-010-831-080		C-CAP,U,0.1-16F
C401	87-012-286-080		CAP, U 0.01-25
C402	87-012-286-080		CAP, U 0.01-25
C403	87-010-831-080		C-CAP,U,0.1-16F
C404	87-016-558-080		C-CAP,TN47-6.3F93B
C405	87-010-831-080		C-CAP,U,0.1-16F
C406	87-012-165-080		C-CAP,U 3P-50 C CH
C407	87-012-165-080		C-CAP,U 3P-50 C CH
C408	87-010-831-080		C-CAP,U,0.1-16F
C409	87-010-831-080		C-CAP,U,0.1-16F
C410	87-012-286-080		CAP, U 0.01-25
C411	87-010-831-080		C-CAP,U,0.1-16F
C450	87-010-831-080		C-CAP,U,0.1-16F
C451	87-010-831-080		C-CAP,U,0.1-16F
C452	87-010-831-080		C-CAP,U,0.1-16F
C453	87-010-831-080		C-CAP,U,0.1-16F
C454	87-016-558-080		C-CAP,TN47-6.3F93B
C455	87-010-831-080		C-CAP,U,0.1-16F
C456	87-012-167-080		C-CAP,U 5P-50 C CH
C457	87-012-167-080		C-CAP,U 5P-50 C CH
C458	87-010-831-080		C-CAP,U,0.1-16F
C459	87-010-831-080		C-CAP,U,0.1-16F
C460	87-010-831-080		C-CAP,U,0.1-16F
C461	87-010-831-080		C-CAP,U,0.1-16F
C462	87-010-831-080		C-CAP,U,0.1-16F
C463	87-010-831-080		C-CAP,U,0.1-16F
C464	87-010-831-080		C-CAP,U,0.1-16F
C465	87-016-558-080		C-CAP,TN47-6.3F93B
C466	87-010-831-080		C-CAP,U,0.1-16F
C467	87-010-831-080		C-CAP,U,0.1-16F
C468	87-012-184-080		C-CAP,U 33P-50 CH
C469	87-012-274-080		C-CAP,U 1000P-50 K B
C501	87-010-831-080		C-CAP,U,0.1-16F
C502	87-010-831-080		C-CAP,U,0.1-16F
C503	87-010-831-080		C-CAP,U,0.1-16F
C504	87-010-831-080		C-CAP,U,0.1-16F
C505	87-010-831-080		C-CAP,U,0.1-16F
C506	87-010-831-080		C-CAP,U,0.1-16F
C507	87-010-831-080		C-CAP,U,0.1-16F
C508	87-010-831-080		C-CAP,U,0.1-16F
C509	87-010-831-080		C-CAP,U,0.1-16F
C510	87-010-831-080		C-CAP,U,0.1-16F
C511	87-010-831-080		C-CAP,U,0.1-16F
C512	87-010-831-080		C-CAP,U,0.1-16F
C513	87-010-831-080		C-CAP,U,0.1-16F
C514	87-010-831-080		C-CAP,U,0.1-16F
C515	87-010-831-080		C-CAP,U,0.1-16F
C516	87-010-831-080		C-CAP,U,0.1-16F
C517	87-010-831-080		C-CAP,U,0.1-16F
C518	87-010-831-080		C-CAP,U,0.1-16F
C519	87-010-831-080		C-CAP,U,0.1-16F
C520	87-010-831-080		C-CAP,U,0.1-16F
C521	87-010-831-080		C-CAP,U,0.1-16F
C522	87-010-831-080		C-CAP,U,0.1-16F
C524	87-010-831-080		C-CAP,U,0.1-16F
C525	87-A11-967-080		C-CAP,TN 10-16 M B F93
C526	87-010-831-080		C-CAP,U,0.1-16F
C527	87-012-274-080		CAP, U 1000P-50 K B
C528	87-012-286-080		CAP, U 0.01-25
C529	87-010-831-080		C-CAP,U,0.1-16F
C530	87-012-196-080		C-CAP,U 120P-50 CH
C531	87-012-170-080		C-CAP,U 8P-50 D CH
C532	87-012-170-080		C-CAP,U 8P-50 D CH
C534	87-010-831-080		C-CAP,U,0.1-16F

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C535	87-016-558-080		C-CAP,TN47-6.3F93B
C537	87-016-669-080		C-CAP,S 0.1-25 K B
C538	87-016-669-080		C-CAP,S 0.1-25 K B
C539	87-016-669-080		C-CAP,S 0.1-25 K B
C540	87-016-669-080		C-CAP,S 0.1-25 K B
C541	87-016-669-080		C-CAP,S 0.1-25 K B
C542	87-016-669-080		C-CAP,S 0.1-25 K B
C543	87-016-669-080		C-CAP,S 0.1-25 K B
C551	87-016-558-080		C-CAP,TN47-6.3F93B
C552	87-010-831-080		C-CAP,U,0.1-16F
C553	87-010-831-080		C-CAP,U,0.1-16F
C554	87-010-831-080		C-CAP,U,0.1-16F
C555	87-012-272-080		C-CAP,U 680P-50 B
C601	87-A11-241-080		C-CAP,TN 22-6.3 M F93 A
C602	87-012-286-080		CAP, U 0.01-25
C603	87-A11-157-080		C-CAP,TN 1-16 M A F93
C604	87-010-831-080		C-CAP,U,0.1-16F
C605	87-010-831-080		C-CAP,U,0.1-16F
C606	87-010-831-080		C-CAP,U,0.1-16F
C607	87-010-831-080		C-CAP,U,0.1-16F
C608	87-010-831-080		C-CAP,U,0.1-16F
C609	87-010-831-080		C-CAP,U,0.1-16F
C610	87-010-831-080		C-CAP,U,0.1-16F
C611	87-012-178-080		C-CAP,U 18P-50 J CH
C612	87-012-172-080		C-CAP,U 10P-50 D CH
C613	87-012-178-080		C-CAP,U 18P-50 J CH
C614	87-A11-022-080		C-CAP,E 4.7-35 M ZS 4.5L
C615	87-010-831-080		C-CAP,U,0.1-16F
C616	87-010-831-080		C-CAP,U,0.1-16F
C617	87-016-431-080		C-CAP,E 220-4 5.5N
C618	87-A11-946-080		C-CAP,TN 100-6.3 M F93 C
C621	87-012-178-080		C-CAP,U 18P-50 J CH
C622	87-012-172-080		C-CAP,U 10P-50 D CH
C623	87-012-178-080		C-CAP,U 18P-50 J CH
C624	87-A11-022-080		C-CAP,E 4.7-35 M ZS 4.5L
C625	87-A11-022-080		C-CAP,E 4.7-35 M ZS 4.5L
C626	87-A11-241-080		C-CAP,TN 22-6.3 M F93 A
C627	87-A11-946-080		C-CAP,TN 100-6.3 M F93 C
C631	87-012-178-080		C-CAP,U 18P-50 J CH
C632	87-012-172-080		C-CAP,U 10P-50 D CH
C633	87-012-178-080		C-CAP,U 18P-50 J CH
C634	87-010-831-080		C-CAP,U,0.1-16F
C635	87-016-114-080		U 0.01-25 J B GRM
C636	87-010-831-080		C-CAP,U,0.1-16F
C641	87-010-831-080		C-CAP,U,0.1-16F
C642	87-012-285-080		C-CAP,U 8200P-50 K B GRM
C661	87-016-558-080		C-CAP,TN 47-6.3 F93B
C671	87-016-558-080		C-CAP,TN 47-6.3 F93B
C681	87-016-558-080		C-CAP,TN 47-6.3 F93B
C701	87-016-289-080		C-CAP,TN 10-6.3 F93
C702	87-016-289-080		C-CAP,TN 10-6.3 F93
C703	87-012-278-080		C-CAP,U 2200P-50 B
C704	87-012-278-080		C-CAP,U 2200P-50 B
C705	87-012-279-080		C-CAP,U 2700P-50 B
C706	87-012-279-080		C-CAP,U 2700P-50 B
C707	87-010-831-080		C-CAP,U,0.1-16F
C708	87-016-289-080		C-CAP,TN 10-6.3 F93
C709	87-012-335-080		C-CAP,U 270P-50 SL
C710	87-012-335-080		C-CAP,U 270P-50 SL
C711	87-010-831-080		C-CAP,U,0.1-16F
C712	87-016-289-080		C-CAP,TN 10-6.3 F93
C713	87-012-186-080		C-CAP,U 39P-50 J CH
C714	87-012-186-080		C-CAP,U 39P-50 J CH
C715	87-010-831-080		C-CAP,U,0.1-16F
C716	87-010-831-080		C-CAP,U,0.1-16F
C717	87-A11-967-080		C-CAP,TN 10-16 M B F93
C718	87-A11-967-080		C-CAP,TN 10-16 M B F93
C719	87-012-274-080		CHIP CAP,U 1000P-50B
C720	87-012-274-080		CHIP CAP,U 1000P-50B
C723	87-010-831-080		C-CAP,U,0.1-16F
C724	87-016-558-080		C-CAP,TN47-6.3F93B
C725	87-010-831-080		C-CAP,U,0.1-16F
C726	87-010-831-080		C-CAP,U,0.1-16F
C727	87-010-831-080		C-CAP,U,0.1-16F
C728	87-010-831-080		C-CAP,U,0.1-16F
C729	87-010-831-080		C-CAP,U,0.1-16F
C730	87-010-831-080		C-CAP,U,0.1-16F
C731	87-A11-967-080		C-CAP,TN 10-16 M B F93
C732	87-A11-967-080		C-CAP,TN 10-16 M B F93
C733	87-010-831-080		C-CAP,U,0.1-16F
C734	87-010-831-080		C-CAP,U,0.1-16F
C735	87-012-285-080		C-CAP,U8200P-50 K B GRM
C736	87-012-285-080		C-CAP,U8200P-50 K B GRM
C737	87-012-282-080		C-CAP,U 4700P-50 B
C738	87-012-282-080		C-CAP,U 4700P-50 B
C739	87-012-336-080		C-CAP,U330P-50 SL
C740	87-012-336-080		C-CAP,U330P-50 SL
C741	87-010-831-080		C-CAP,U,0.1-16F
C742	87-016-289-080		C-CAP,TN 10-6.3 F93
C743	87-A11-946-080		C-CAP,TN 100-6.3 M F93 C
C744	87-A11-241-080		C-CAP,TN 22-6.3 M F93 A
C745	87-010-831-080		C-CAP,U,0.1-16F
C746	87-016-286-080		C-CAP,TN 2.2-6.3 F93
C747	87-A11-157-080		C-CAP,TN 1-16 M A F93
C751	87-A10-047-080		C-CAP,U 1-10 Z F
C752	87-A10-047-080		C-CAP,U 1-10 Z F
C753	87-010-831-080		C-CAP,U,0.1-16F
C754	87-010-831-080		C-CAP,U,0.1-16F
C755	87-010-944-180		C-CAP,E 220-4 M MV
C756	87-010-944-180		C-CAP,E 220-4 M MV
C757	87-012-274-080		CHIP CAP,U 1000P-50B
C758	87-012-274-080		CHIP CAP,U 1000P-50B
C761	87-016-289-080		C-CAP,TN 10-6.3 F93
C762	87-A11-241-080		C-CAP,TN 22-6.3 M F93 A
C763	87-016-287-080		C-CAP,TN 3.3-6.3 M
C764	87-A10-047-080		C-CAP,U 1-10 Z F
C765	87-A11-241-080		C-CAP,TN 22-6.3 M F93 A
C766	87-016-289-080		C-CAP,TN 10-6.3 F93
C767	87-010-831-080		C-CAP,U,0.1-16F
C800	87-016-669-080		C-CAP,S 0.1-25 K B
C801	87-016-669-080		C-CAP,S 0.1-25 K B<AHC<S>>
C802	87-016-669-080		C-CAP,S 0.1-25 K B<AHC<S>>
C803	87-016-669-080		C-CAP,S 0.1-25 K B<AHC<S>>
C804	87-A11-282-080		C-CAP,S 1-16 K B
C805	87-A11-031-080		C-CAP,E 100-16 M WX
C806	87-A11-031-080		C-CAP,E 100-16 M WX
C807	87-016-669-080		C-CAP,S 0.1-25 K B
C808	87-016-669-080		C-CAP,S 0.1-25 K B
C809	87-016-669-080		C-CAP,S 0.1-25 K B
C810	87-016-669-080		C-CAP,S 0.1-25 K B
C811	87-A11-031-080		C-CAP,E 100-16 M WX
C812	87-A11-031-080		C-CAP,E 100-16 M WX
C813	87-016-669-080		C-CAP,S 0.1-25 K B
C815	87-A10-949-080		C-CAP,TN 10-10 M A
C816	87-A10-949-080		C-CAP,TN 10-10 M A
C817	87-A11-967-080		C-CAP,TN 10-16 M B F93
C818	87-A11-162-080		C-CAP,TN 47-16 M C F93
C819	87-A11-161-080		C-CAP,TN 10-35 M C F93
C820	87-016-669-080		C-CAP,S 0.1-25 K B
C821	87-A12-032-080		C-CAP,TN 47U-16 M F95 G
C822	87-016-669-080		C-CAP,S 0.1-25 K B
C823	87-010-197-080		CAP, CHIP 0.01 DM
C824	87-016-431-080		C-CAP,E 220-4 5.5N
C825	87-A11-162-080		C-CAP,TN 47-16 M C F93
C826	87-A11-161-080		C-CAP,TN 10-35 M C F93
C827	87-016-669-080		C-CAP,S 0.1-25 K B
C828	87-A12-032-080		C-CAP,TN 47U-16 M F95 G
C829	87-016-669-080		C-CAP,S 0.1-25 K B
C830	87-010-197-080		CAP, CHIP 0.01 DM
C831	87-A11-031-080		C-CAP,E 100-16 M WX

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C832	87-A11-162-080		C-CAP,TN 47-16 M C F93
C833	87-A11-161-080		C-CAP,TN 10-35 M C F93
C834	87-016-669-080		C-CAP,S 0.1-25 K B
C835	87-A12-032-080		C-CAP,TN 47U-16 M F95 G
C836	87-016-669-080		C-CAP,S 0.1-25 K B
C837	87-010-197-080		CAP, CHIP 0.01 DM
C838	87-A11-031-080		C-CAP,E 100-16 M WX
C839	87-A11-162-080		C-CAP,TN 47-16 M C F93
C840	87-A11-161-080		C-CAP,TN 10-35 M C F93
C841	87-016-669-080		C-CAP,S 0.1-25 K B
C842	87-A11-162-080		C-CAP,TN 47-16 M C F93
C843	87-016-669-080		C-CAP,S 0.1-25 K B
C844	87-010-178-080		CHIP CAP 1000P
C845	87-A11-606-080		C-CAP,S 0.22-25 K B
C847	87-A11-161-080		C-CAP,TN 10-35 M C F93
C848	87-A11-162-080		C-CAP,TN 47-16 M C F93
C852	87-A11-162-080		C-CAP,TN 47-16 M C F93
C854	87-016-669-080		C-CAP,S 0.1-25 K B
C857	87-016-669-080		C-CAP,S 0.1-25 K B
C858	88-118-332-080		C-RES,S 3.3K-1/10W J
C859	87-A11-161-080		C-CAP,TN 10-35 M C F93
C861	87-016-669-020		C-CAP,S 0.1-25 K B
C864	87-A11-241-080		C-CAP,TN 22-6.3 M F93 A
C865	87-A11-241-080		C-CAP,TN 22-6.3 M F93 A
C866	87-A12-032-080		C-CAP,TN 47U-16 M F95 G
C873	87-016-669-080		C-CAP,S 0.1-25 K B
C874	87-016-669-080		C-CAP,S 0.1-25 K B
C875	87-016-669-080		C-CAP,S 0.1-25 K B
C876	87-016-669-080		C-CAP,S 0.1-25 K B
C877	87-A11-162-080		C-CAP,TN 47-16 M C F93
C878	87-016-669-080		C-CAP,S 0.1-25 K B
C879	87-A11-162-080		C-CAP,TN 47-16 M C F93
C880	87-016-669-080		C-CAP,S 0.1-25 K B
C881	87-A11-162-080		C-CAP,TN 47-16 M C F93
C882	87-016-669-080		C-CAP,S 0.1-25 K B
C883	87-016-669-080		C-CAP,S 0.1-25 K B
C888	87-A12-021-080		C-CAP, 2.2-16 K B C3216
C889	87-A12-021-080		C-CAP, 2.2-16 K B C3216
C890	87-A12-021-080		C-CAP, 2.2-16 K B C3216
C891	87-A12-021-080		C-CAP, 2.2-16 K B C3216
C892	87-A11-031-080		C-CAP,E 100-16 M WX
C893	87-A11-031-080		C-CAP,E 100-16 M WX
C896	87-A11-162-080		C-CAP,TN 47-16 M C F93
C897	87-A11-031-080		C-CAP,E 100-16 M WX
C899	87-016-669-080		C-CAP,S 0.1-25 K B
CN200	87-A61-197-080		C-CONN,30P H 52893
CN300	87-A61-199-080		C-CONN,8P V 52559
CN301	87-A61-198-080		C-CONN,14P V 52559
CN551	87-A61-183-080		C-CONN,9P V WHT BM09B-SRSS-TB
CN552	87-A61-182-080		C-CONN,14P V WHT BM14B-SRSS-TB
CN701	87-009-984-280		C-CONN,2P ZR RED
CN702	87-009-984-280		C-CONN,2P ZR RED
CN800	87-009-984-080		C-CONN,2PZR WHT
CN801	87-A60-942-080		C-CONN,5P V PH-SM3-TB
CN802	87-009-984-280		C-CONN,2P ZR RED
FB200	87-A50-551-080		C-COIL,S BLM21A601F
FB201	87-A50-551-080		C-COIL,S BLM21A601F
FB300	87-A50-551-080		C-COIL,S BLM21A601F
FB301	87-A50-551-080		C-COIL,S BLM21A601F
FB302	87-A50-552-080		C-COIL,S BLM21B050S
FB303	87-A50-551-080		C-COIL,S BLM21A601F
FB450	87-A50-552-080		C-COIL,S BLM21B050S<AHC<S>>
FB710	87-A50-505-080		C-COIL,4.7UH LQG21F
J601	87-A61-193-010		JACK,MD-S4100-90
J701	87-A61-207-010		JACK,PIN 3P W/O SW YKC21-5765
J702	87-A61-194-010		JACK,DIA3.5 ST W/SW HSJ1493
J800	87-A61-216-010		JACK,CMS 5008-0902
L101	87-005-819-080		C-COIL, 47UH J FLC32
L102	87-005-819-080		C-COIL, 47UH J FLC32
L103	87-005-814-080		C-COIL, 18UH J FLC32
L200	87-A50-553-080		C-COIL,S 2.2UH LQG21F2R2N
L201	87-A50-553-080		C-COIL,S 2.2UH LQG21F2R2N
L250	87-A50-387-080		C-COIL,22UHD73C-636CY
L251	87-A50-387-080		C-COIL,22UHD73C-636CY
L252	87-A50-387-080		C-COIL,22UHD73C-636CY
L253	87-A50-387-080		C-COIL,22UHD73C-636CY
L254	87-A50-387-080		C-COIL,22UHD73C-636CY
L255	87-A50-387-080		C-COIL,22UHD73C-636CY
L450	87-A50-553-080		C-COIL,S 2.2UH LQG21F2R2N
L611	87-005-813-080		C-COIL,15UH J FLC32
L621	87-005-813-080		C-COIL,15UH J FLC32
L631	87-005-813-080		C-COIL,15UH J FLC32
L800	87-A50-554-080		C-COIL,CPFC85-WH07
L801	87-A50-330-080		C-COIL,100UH-D75C
L802	87-A50-545-080		C-COIL,47UH-D124C
L803	87-A50-546-080		C-COIL,100UH-D124C
L804	87-A50-330-080		C-COIL,100UH-D75C
L805	87-A50-545-080		C-COIL,47UH-D124C
L806	87-A50-546-080		C-COIL,100UH-D124C
L807	87-A50-330-080		C-COIL,100UH-D75C
L808	87-A50-545-080		C-COIL,47UH-D124C
L809	87-A50-546-080		C-COIL,100UH-D124C
L810	87-A50-330-080		C-COIL,100UH-D75C
L811	87-A50-544-080		C-COIL,10CA-TFT
L812	87-A50-323-080		C-COIL, 22UH K NLFC322522
L813	87-A50-323-080		C-COIL, 22UH K NLFC322522
L814	87-A50-395-080		C-COIL,100UHD73C-636CY
L815	87-A50-323-080		C-COIL, 22UH K NLFC322522
L818	87-A50-546-080		C-COIL,100UH-D124C
LCD551	8Z-HU1-607-010		LCD,ZHU-1
LPF101	88-HV1-643-080		C-FLTR,P613BG 0304GW
LPF102	88-HV1-645-080		C-FLTR,4FS 8782(NTSC)
LPF103	88-HV1-644-080		C-FLTR,4FS 8781(PAL)
R817	87-022-215-080		CHIP RESISTOR U 1K-1/16W F
R818	87-022-257-080		C-RES U 56K-F
R820	87-022-233-080		C-RES,U 5.6K-1/16W F
R825	87-022-286-080		C-RES U 100K-1/16WF
R826	87-022-287-080		C-RES,U 120K-1/16W F
R827	87-022-288-080		C-RES,U 150K-1/16WF
R835	87-022-249-080		C-RES U27K 1/16WF
R836	87-022-286-080		C-RES U 100K-1/16WF
R841	87-022-284-080		C-RES,U 68K 1-16W F
R842	87-022-285-080		C-RES U82K-1/16WF
R847	87-022-284-080		C-RES,U 68K 1-16W F
R848	87-022-285-080		C-RES U82K-1/16WF
S551	87-A91-609-080		C-SW,MICRO SPPB53V
S553	87-A91-609-080		C-SW,MICRO SPPB53V
S554	87-A91-602-010		SW,SL 1-1-2 SSSS912N4C2
S555	87-A91-602-010		SW,SL 1-1-2 SSSS912N4C2
S800	87-A91-601-080		C-SW,SL 1-1-3 SSSS7A3NCB
VR300	87-024-407-080		CHIP SFR 10K RH03A3A
VR701	87-A91-145-080		C-VR,RTRY 30KCX2 H RK14J12R
VR800	87-024-403-080		CHIP SFR 2.2K RH03A3A
X300	87-030-321-080		C-VIB,XTAL 22.5792M
X400	87-A70-246-080		C-VIB,XTAL 32MHZ HC-49/U03C
X450	87-A70-250-080		C-VIB,XTAL 50MHZ FCX-02
X501	87-A70-195-080		C-VIB,XTAL 27MHZ HC-49/U03C
TFT C.B			
C101	87-A10-249-080		C-CAP,U 1-10 ZF
C102	87-A10-249-080		C-CAP,U 1-10 ZF
C103	87-A10-249-080		C-CAP,U 1-10 ZF
C104	87-A10-249-080		C-CAP,U 1-10 ZF
C105	87-A10-249-080		C-CAP,U 1-10 ZF
C106	87-A10-249-080		C-CAP,U 1-10 ZF
C107	87-A10-249-080		C-CAP,U 1-10 ZF
C108	87-A10-249-080		C-CAP,U 1-10 ZF
C109	87-A10-249-080		C-CAP,U 1-10 ZF
C110	87-A10-249-080		C-CAP,U 1-10 ZF

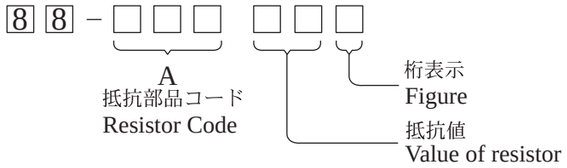
REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C111	87-012-197-080		C-CAP,U 150P-50 CH
C112	87-A10-249-080		C-CAP,U 1-10 ZF
C113	87-010-831-080		C-CAP,U,0.1-16F
C114	87-010-831-080		C-CAP,U,0.1-16F
C115	87-010-831-080		C-CAP,U,0.1-16F
C116	87-A10-006-080		C-CAP,TN 47-10 MC F9
C117	87-012-286-080		CAP, U 0.01-25
C118	87-012-284-080		CAP, U 6800P-50
C119	87-016-286-080		C-CAP,TN 2.2-6.3 F93
C120	87-010-831-080		C-CAP,U,0.1-16F
C121	87-012-272-080		C-CAP,U 680P-50 B
C122	87-A11-792-080		C-CAP,TN 33-4 M F93 A
C123	87-A11-792-080		C-CAP,TN 33-4 M F93 A
C124	87-010-831-080		C-CAP,U,0.1-16F
C125	87-A10-504-080		C-CAP,U 0.047-16 K B
C126	87-012-286-080		CAP, U 0.01-25
C127	87-012-193-080		C-CAP,U 82P-50 CH
C128	87-010-831-080		C-CAP,U,0.1-16F
C129	87-A10-025-080		C-CAP,U,0.1-16F
C130	87-012-286-080		C-CAP,U 0.01-25 K B<AU<S>>
C130	87-010-831-080		C-CAP,U,0.1-16F<AHC<S>>
C131	87-A10-249-080		C-CAP,U 1-10 ZF
C132	87-A10-249-080		C-CAP,U 1-10 ZF
C133	87-A10-249-080		C-CAP,U 1-10 ZF
C134	87-010-831-080		C-CAP,U,0.1-16F
C135	87-A11-162-080		C-CAP,TN 47-16 M C F93
C136	87-A10-249-080		C-CAP,U 1-10 ZF
C137	87-012-170-080		C-CAP,U 8P-50 CH
C138	87-012-170-080		C-CAP,U 8P-50 CH
C139	87-A10-249-080		C-CAP,U 1-10 ZF
C140	87-012-286-080		CAP, U 0.01-25
C141	87-A11-241-080		C-CAP,TN 22-6.3 M F93 A
C142	87-012-286-080		CAP, U 0.01-25
C143	87-010-759-080		C-CAP,U, 0.1-25F
C144	87-010-759-080		C-CAP,U, 0.1-25F
C145	87-A11-967-080		C-CAP,TN 10-16 M B F93
C147	87-A11-967-080		C-CAP,TN 10-16 M B F93
C148	87-A11-030-080		C-CAP,E 10-35 M ZS 4.5L
C149	87-A11-030-080		C-CAP,E 10-35 M ZS 4.5L
C150	87-010-831-080		C-CAP,U,0.1-16F
C151	87-A10-249-080		C-CAP,U 1-10 ZF
C152	87-010-831-080		C-CAP,U,0.1-16F
C180	87-010-248-080		CAP,E 220-10 M11L SME
C181	87-010-263-080		CAP,E 100-10 M11L SME
CN101	87-A61-181-080		C-CONN,14P H WHT SM14B-SRSS-TB
CN102	87-A61-185-080		C-CONN,24P H CFP1624-0101
S101	87-A91-338-080		C-SW,TACT SKQYAB
S102	87-A91-338-080		C-SW,TACT SKQYAB
S103	87-A91-338-080		C-SW,TACT SKQYAB
S104	87-A91-338-080		C-SW,TACT SKQYAB
S105	87-A91-338-080		C-SW,TACT SKQYAB
S106	87-A91-338-080		C-SW,TACT SKQYAB
SFR101	87-024-411-080		C-SFR,47K RHO3A3A
SFR102	87-024-411-080		C-SFR,47K RHO3A3A
SFR103	87-024-411-080		C-SFR,47K RHO3A3A
SFR104	87-024-411-080		C-SFR,47K RHO3A3A
SFR105	87-024-411-080		C-SFR,47K RHO3A3A
SFR106	87-024-411-080		C-SFR,47K RHO3A3A
SFR107	87-024-411-080		C-SFR,47K RHO3A3A
SFR108	87-024-411-080		C-SFR,47K RHO3A3A
SFR109	87-024-405-080		C-SFR,4.7K RHO3A3A
X101	87-A70-161-080		C-VIB,XTAL 3.579545MHZ
X102	87-A70-162-080		C-VIB,XTAL 4.433619MHZ

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
FR1 C.B			
CN571	87-A61-183-080		C-CONN,9P V WHT BM09B-SRSS-TB
CN572	87-A61-184-080		C-CONN,7P H WHT SM07B-SRSS-TB
S581	87-A91-486-080		C-SW,TACT SKQYPA
S582	87-A91-486-080		C-SW,TACT SKQYPA
S583	87-A91-486-080		C-SW,TACT SKQYPA
S584	87-A91-486-080		C-SW,TACT SKQYPA
S585	87-A91-486-080		C-SW,TACT SKQYPA
FR2 C.B			
C384	87-012-182-080		C-CAP,U 27P-50 J CH
C523	87-012-186-080		C-CAP,U 39P-50 J CH
C690	87-012-274-080		C-CAP,U 1000P-50 K B
C691	87-012-178-080		C-CAP,U 18P-50 J CH
C693	87-016-114-080		C-CAP,U 0.01-25 J B GRM
C791	87-016-114-080		C-CAP,U 0.01-25 J B GRM
CN581	87-A61-184-080		C-CONN,7P H WHT SM07B-SRSS-TB
L691	87-003-381-080		C-COIL,33UH K MLF1608
S571	87-A91-603-080		C-SW,TACT SKQUDB
S572	87-A91-486-080		C-SW,TACT SKQYPA
S573	87-A91-486-080		C-SW,TACT SKQYPA
S574	87-A91-486-080		C-SW,TACT SKQYPA
BATT2 C.B			
C902	87-016-425-080		C-CAP,E 33-25 5.5N
CN900	87-049-469-010		CONN,4P V
CN901	87-049-796-010		CONN,4P EH V BLK
J900	87-A61-217-010		JACK,TCS7726-182036

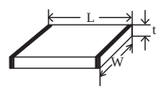
- Regarding connectors, they are not stocked as they are not the initial order items.
  The connectors are available after they are supplied from connector manufacturers upon the order is received.

Oチップ抵抗部品コード／CHIP RESISTOR PART CODE

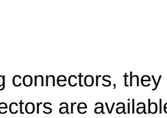
チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



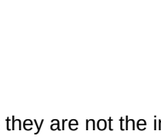
チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード ：A Resistor Code ：A
1/16W	1005	±5%	CJ		1.0	0.5	0.35	104
1/16W	1608	±5%	CJ		1.6	0.8	0.45	108
1/10W	2125	±5%	CJ		2	1.25	0.45	118
1/8W	3216	±5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION

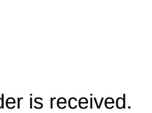


2SA1037(140MHZ 200MW)
2SA1576A
2SA1586Y
2SB815B7
2SC2412K
2SC3326B
2SC4116GR
DTA114EU

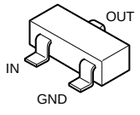


2SA1213Y (1W)
2SB1412 R
2SC5569

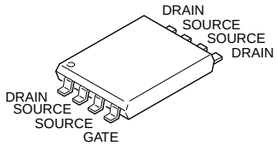
2SJ418



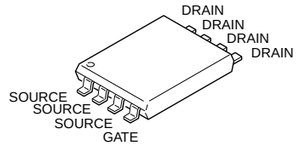
2SK2035



DTA143TU
DTA144EU
DTC114TU
DTC144EU

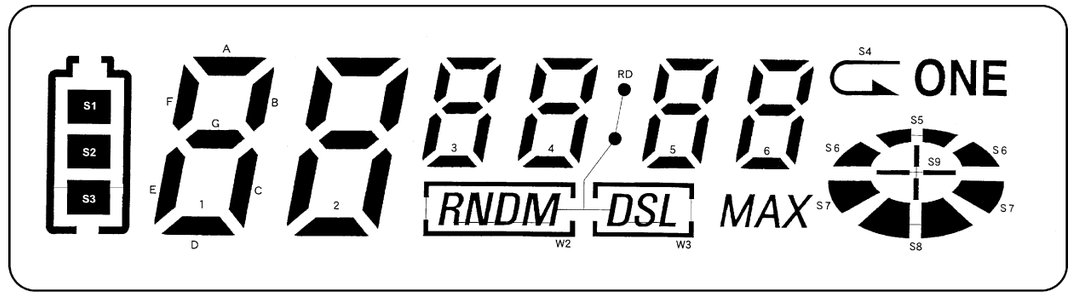


FTS1002



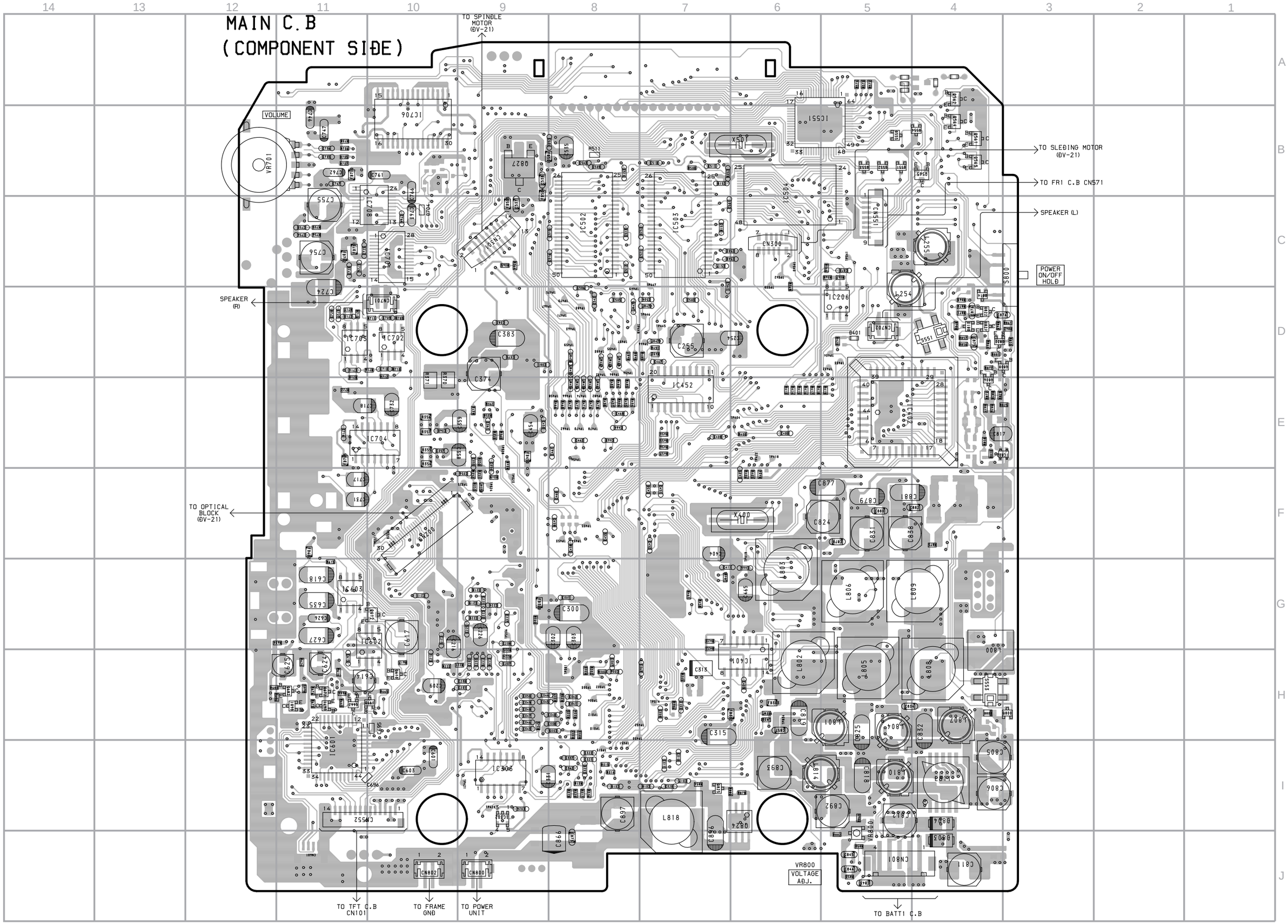
TPC8003

LCD DISPLAY



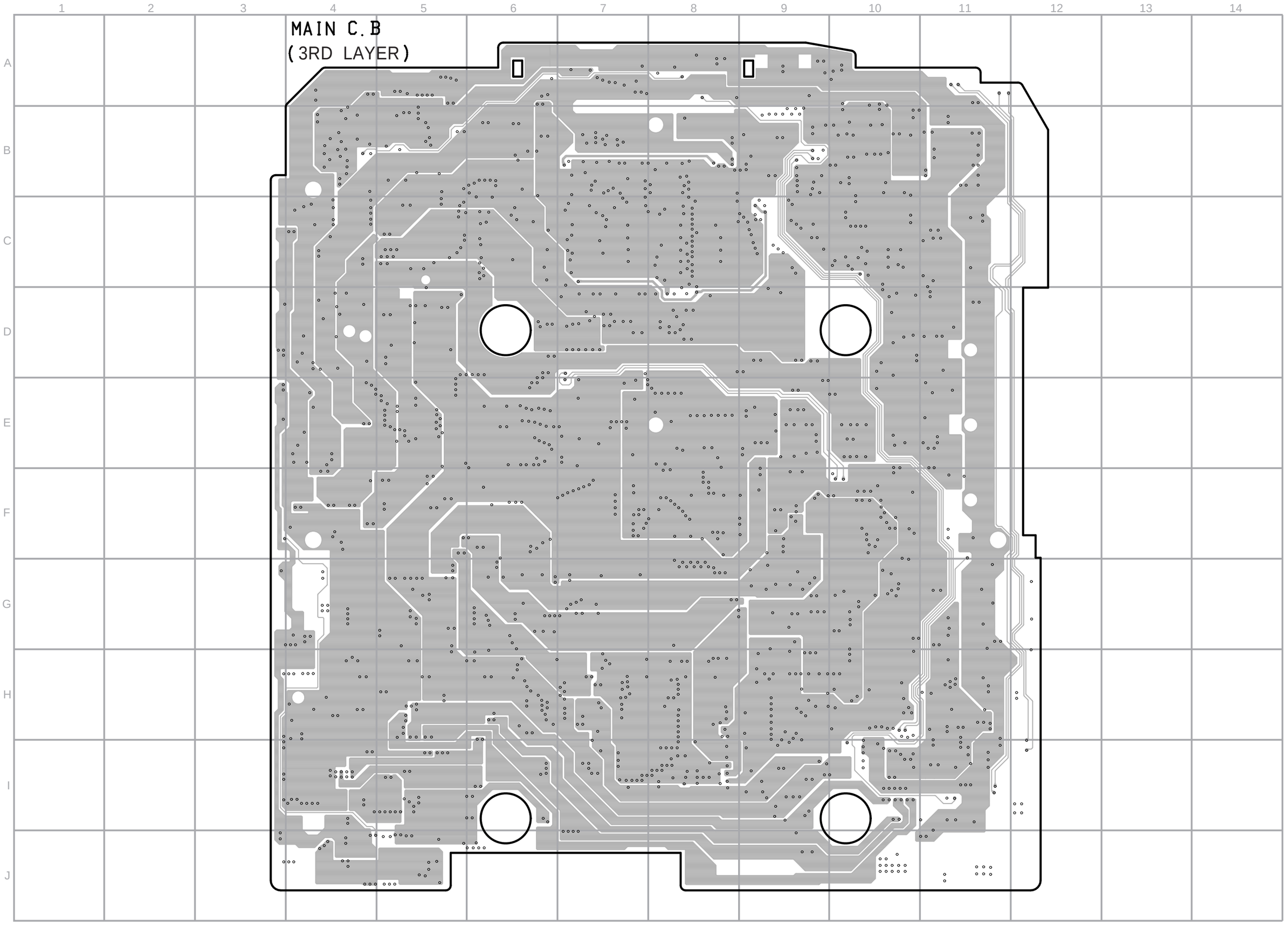
NO	COM1	COM2	COM3	COM4
1	S1	1F	1E	1D
2	1A	1B	1G	1C
3	S2	2F	2E	2D
4	2A	2B	2G	2C
5	RD	3F	3E	3D
6	3A	3B	3G	3C
7	W2	4F	4E	4D
8	4A	4B	4G	4C
9	W3	5F	5E	5D
10	5A	5B	5G	5C
11	MAX	6F	6E	6D
12	6A	6B	6G	6C
13	S4	S5	S9	S8
14	ONE	S6	S7	S3
15	COM1	——	——	——
16	——	COM2	——	——
17	——	——	COM3	——
18	——	——	——	COM4

WIRING-1 (MAIN: COMPONENT SIDE)

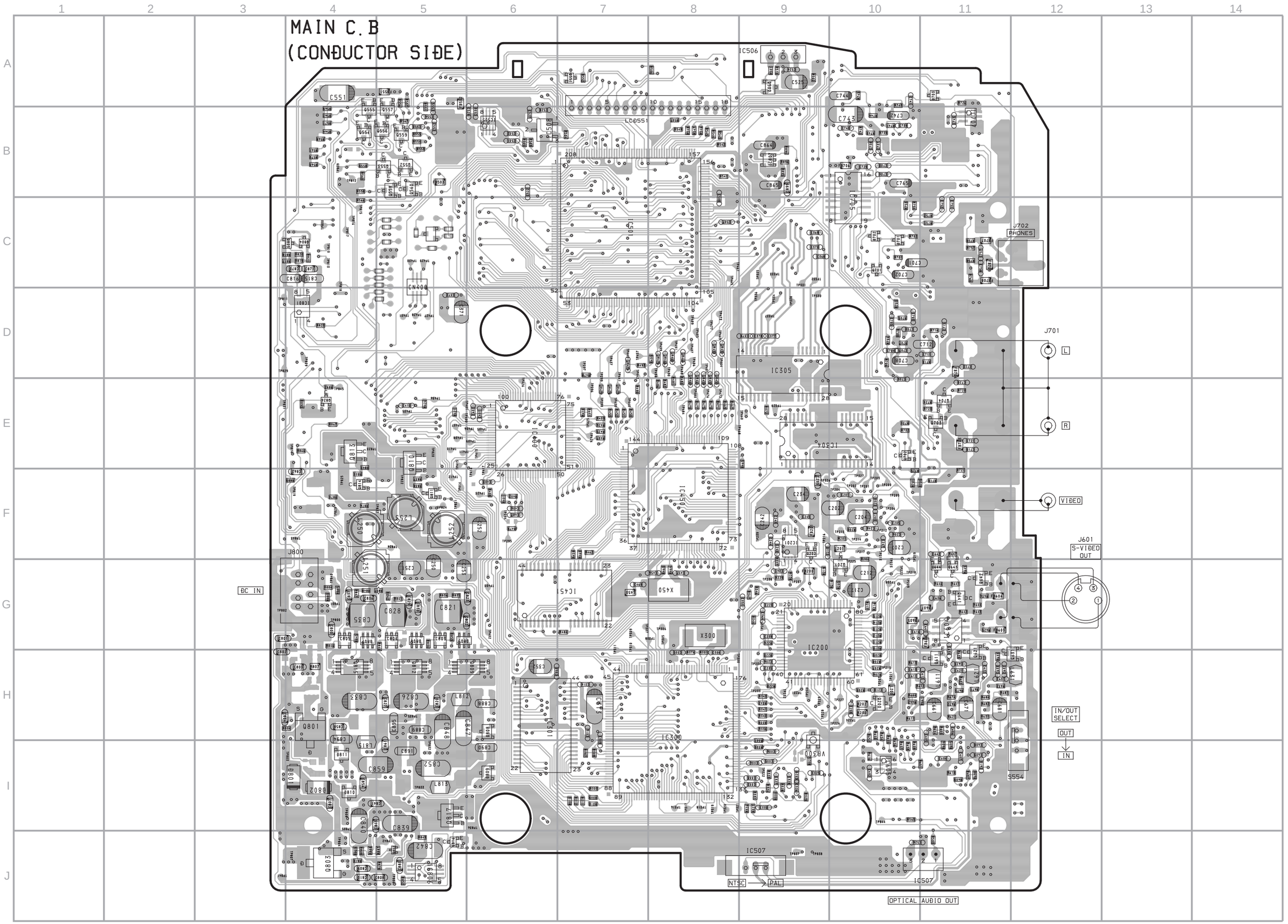


WIRING-2 (MAIN: 2ND LAYER)

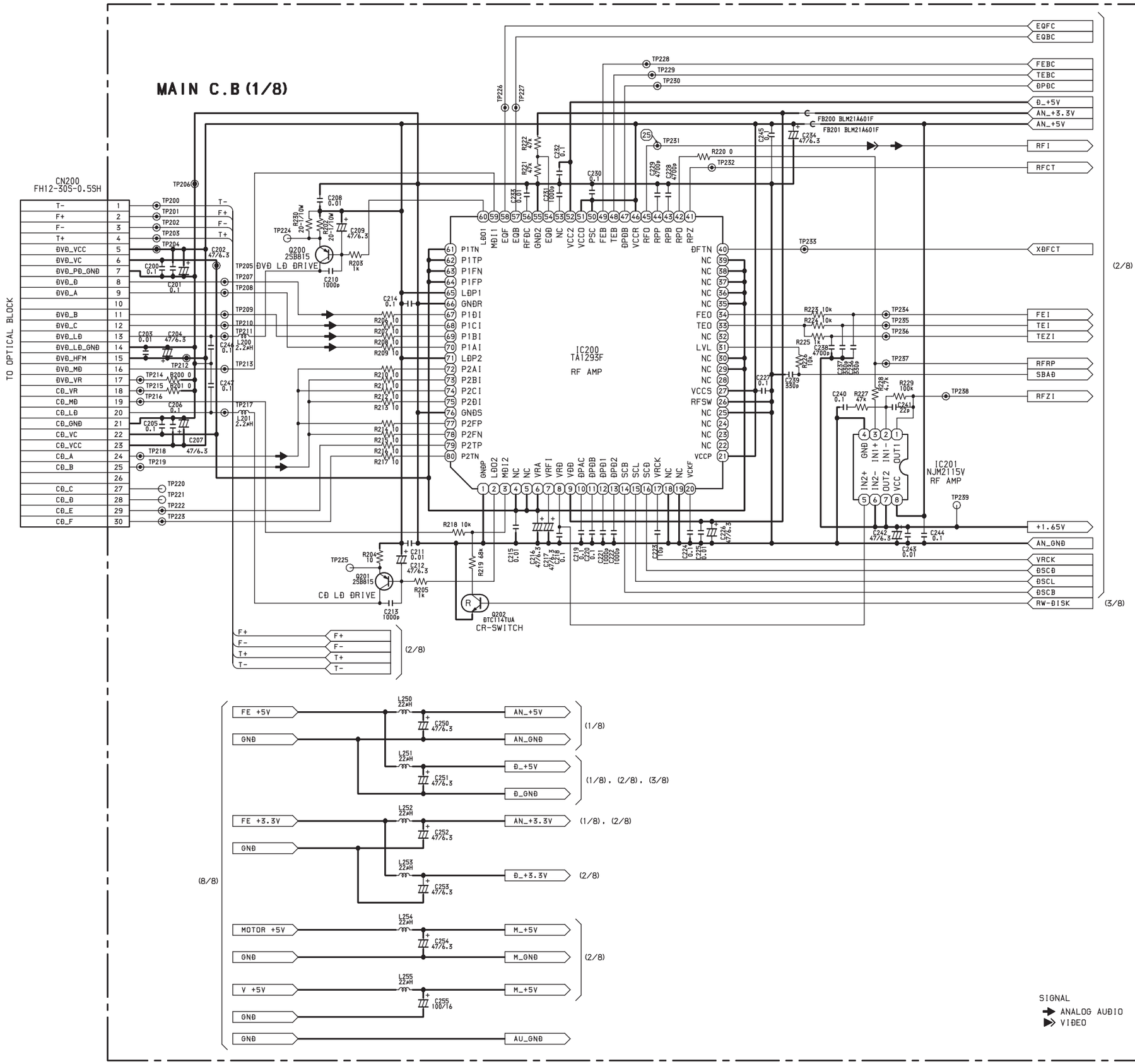
WIRING-3 (MAIN: 3RD LAYER)



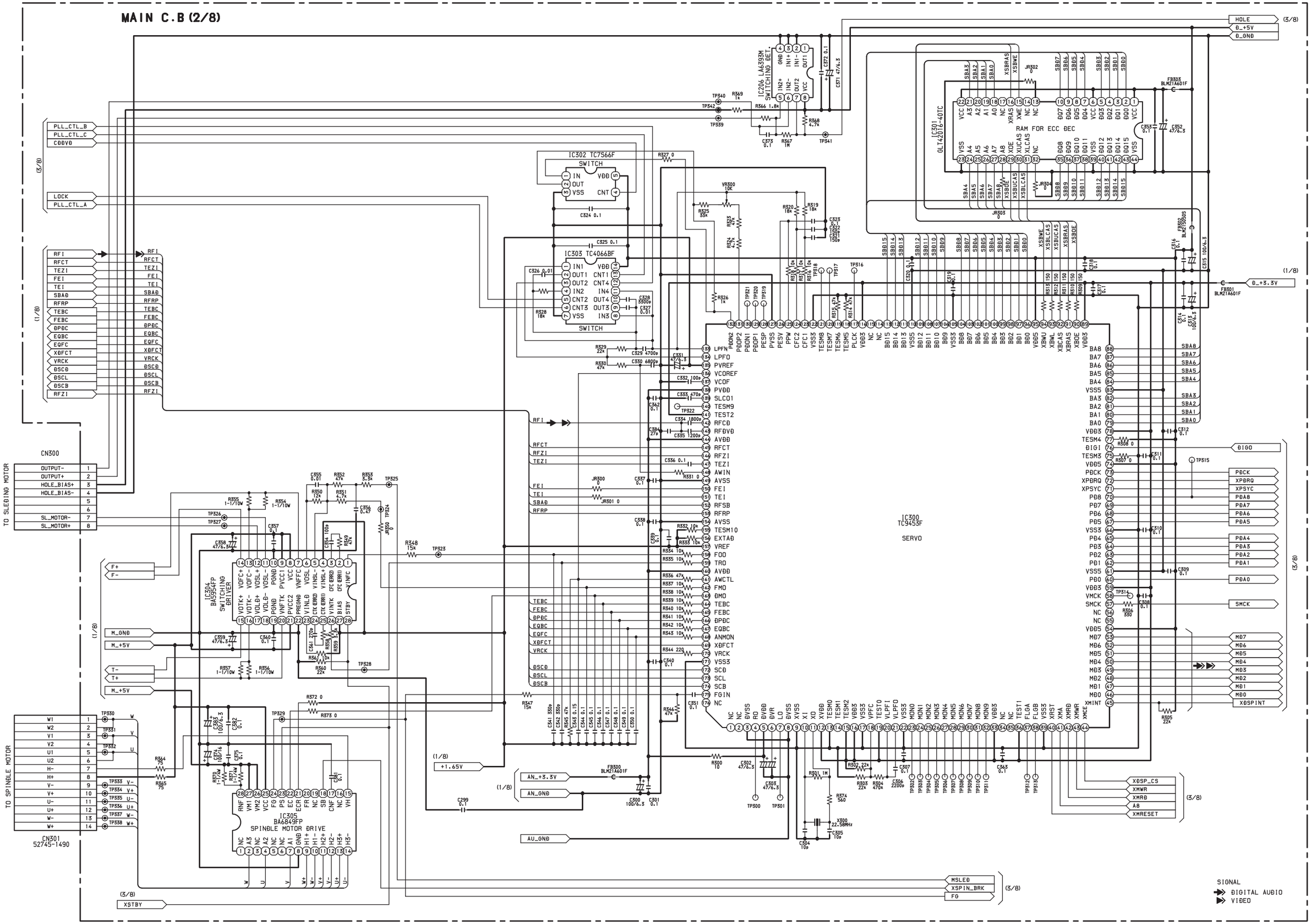
WIRING-4 (MAIN: CONDUCTOR SIDE)



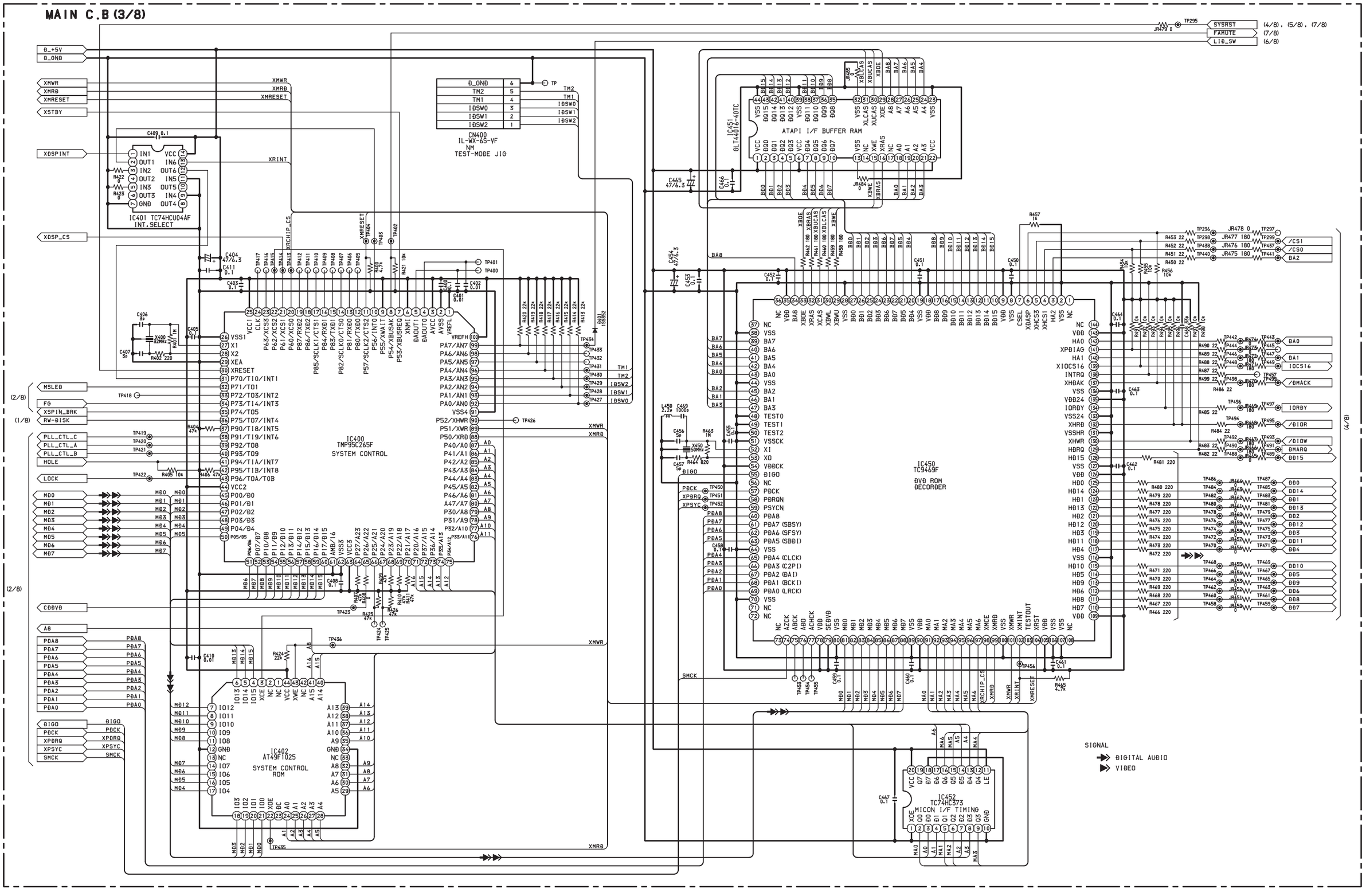
SCHEMATIC DIAGRAM-1 (MAIN 1/8)

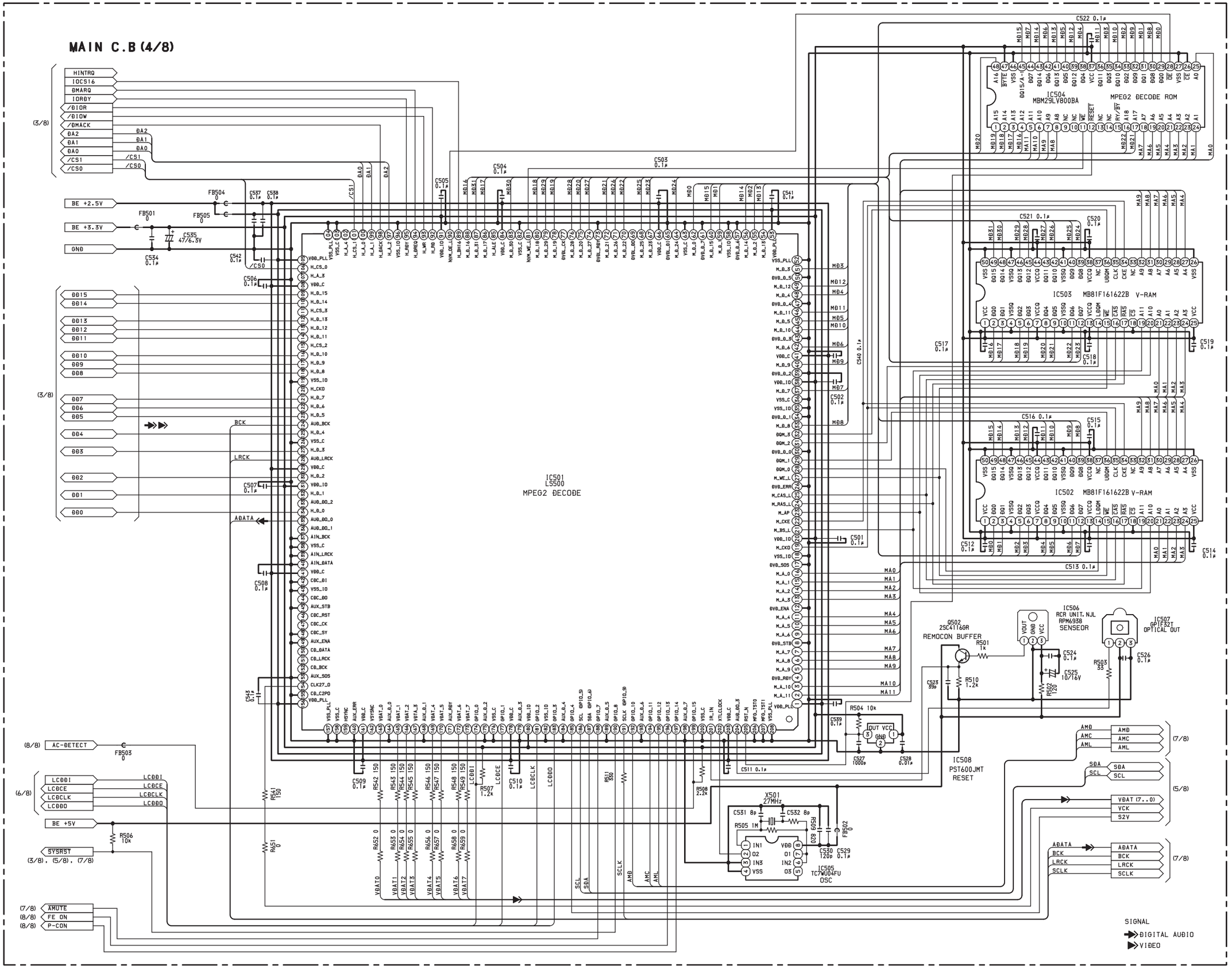


SCHEMATIC DIAGRAM-2 (MAIN 2/8)

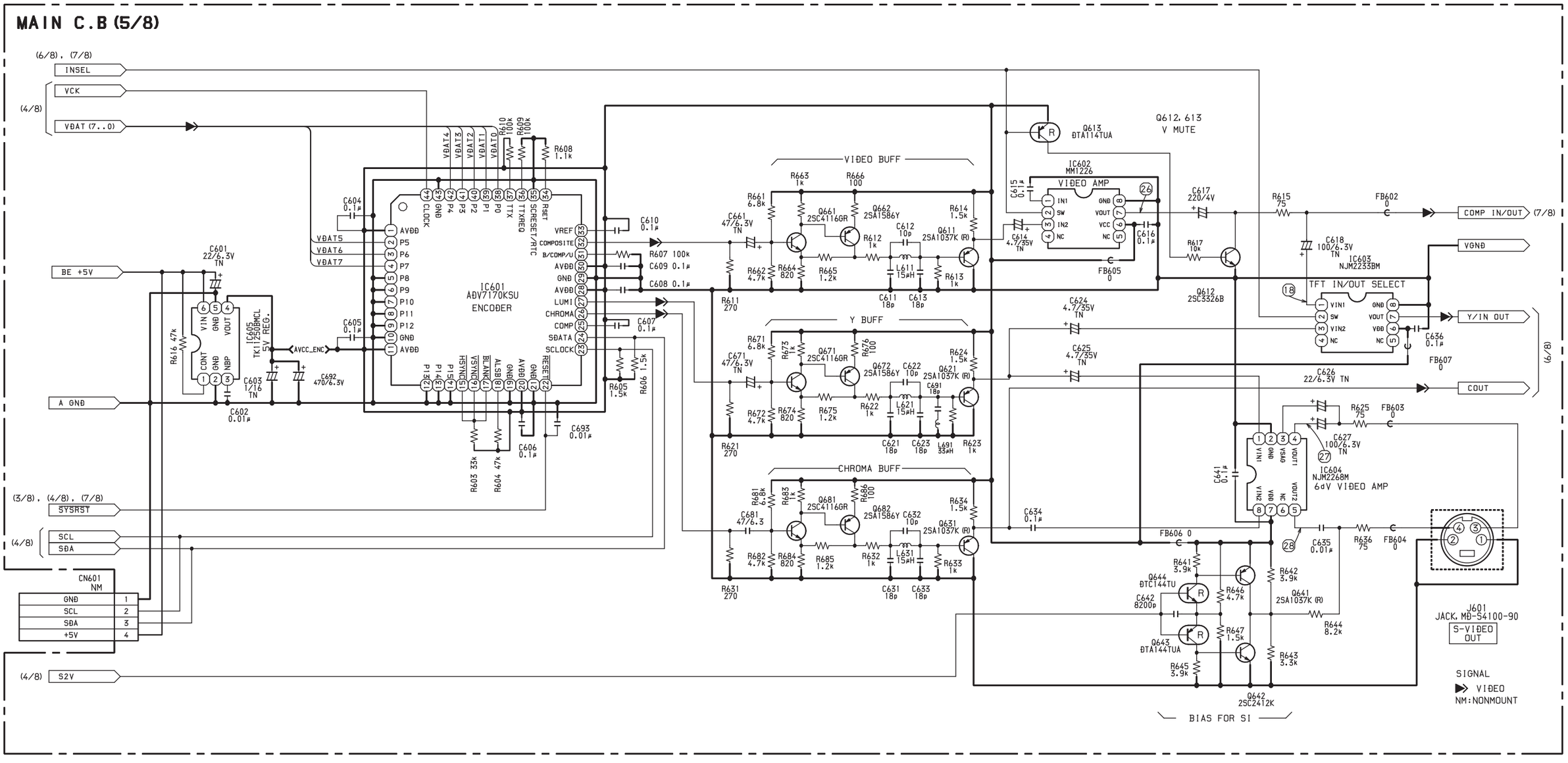


SCHEMATIC DIAGRAM-3 (MAIN 3/8)

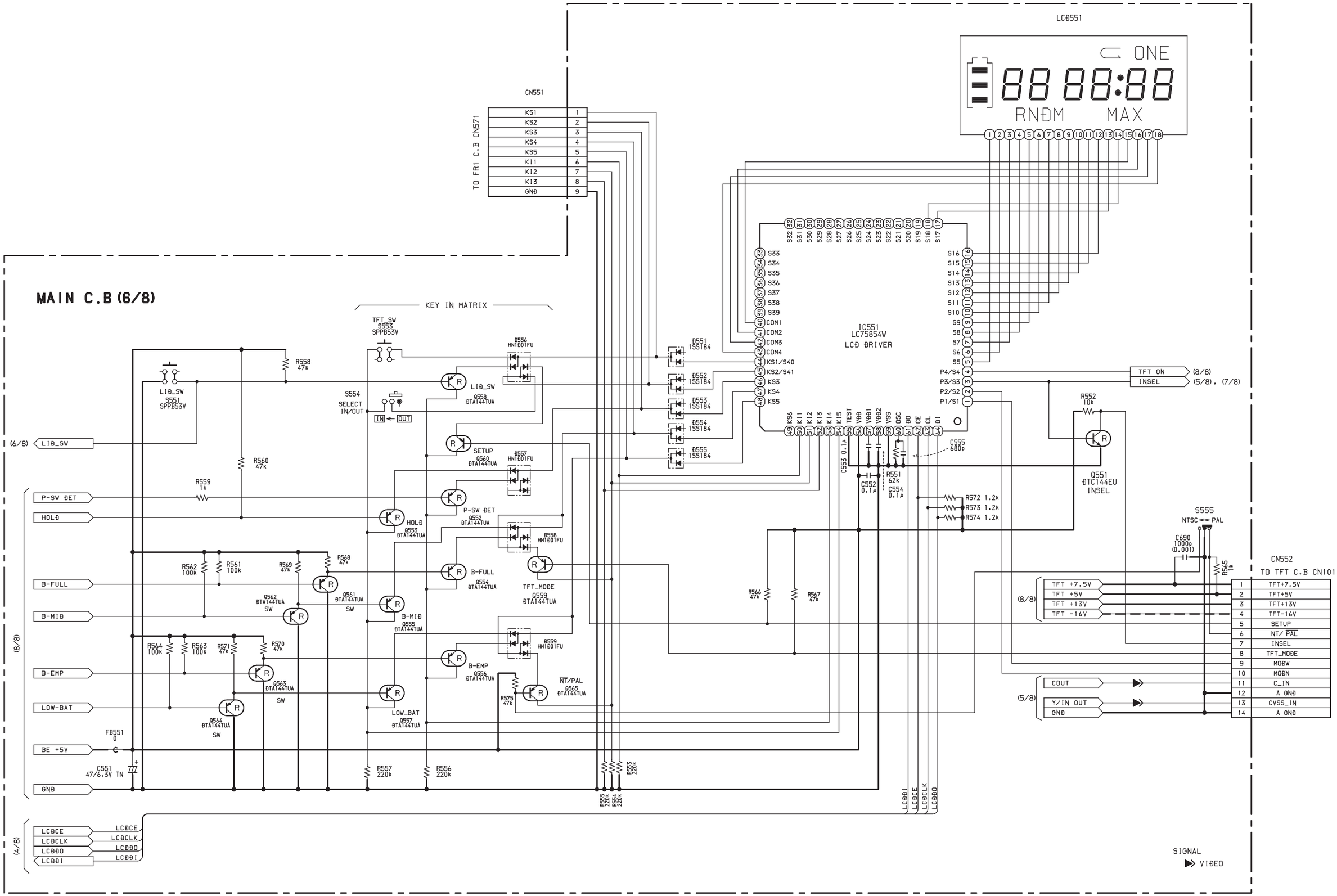



MAIN C.B (4/8)
IC501
LS500
MPEG2 DECODE
IC504
MBM29LV800BA
MPEG2 DECODE ROM
IC503 MB81F161622B V-RAM
IC502 MB81F161622B V-RAM
IC506
RCA UNIT, NJL
RPM6938
SENSEOR
IC507
GP1F52T
OPTICAL OUT
Q502
2SC4116GR
REMOCON BUFFER
IC508
PST600JMT
RESET
IC505
TC7WU04FU
OSC
X501
27MHz
SIGNAL
DIGITAL AUDIO
VIDEO

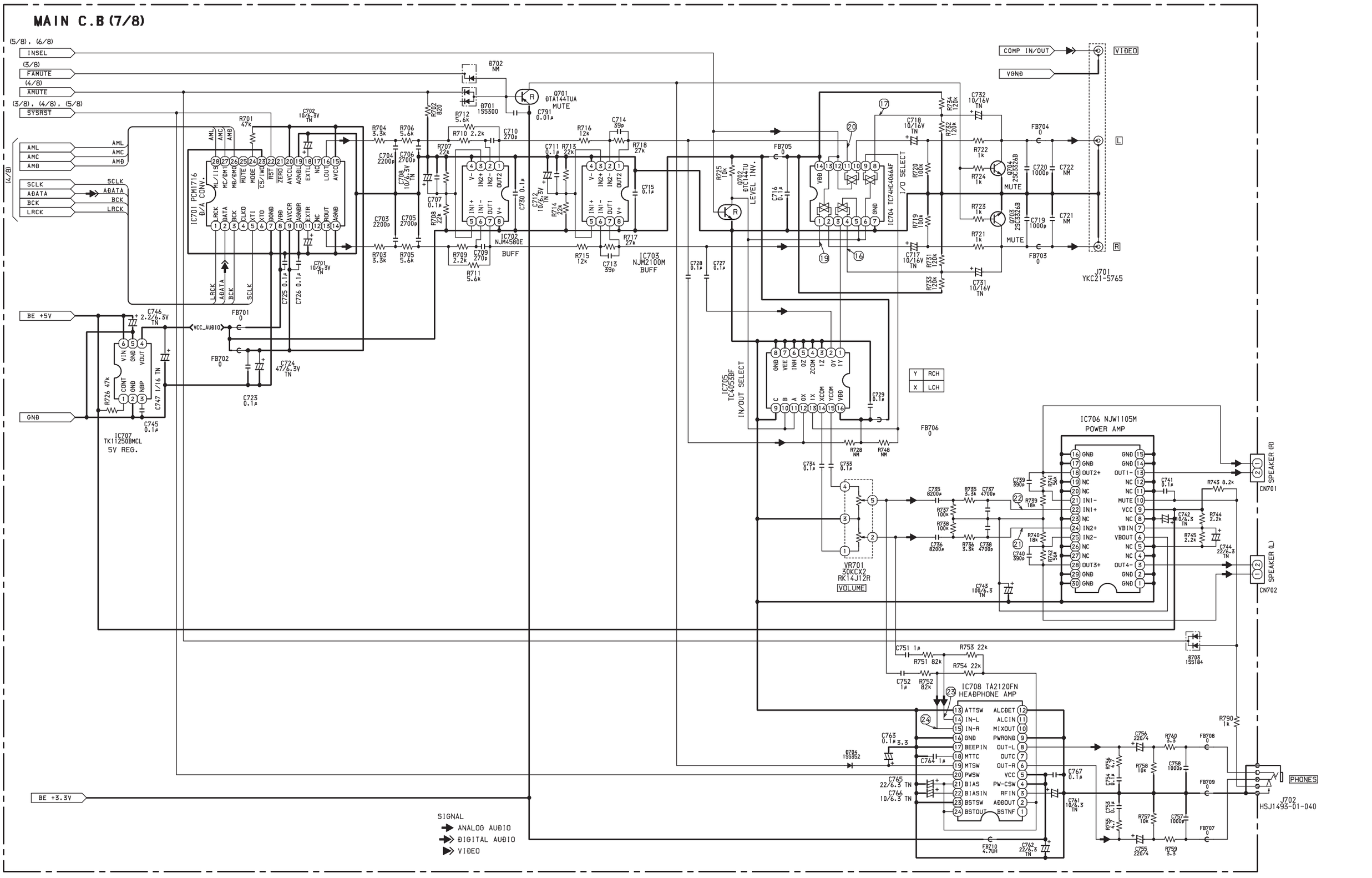
SCHEMATIC DIAGRAM-5 (MAIN 5/8)



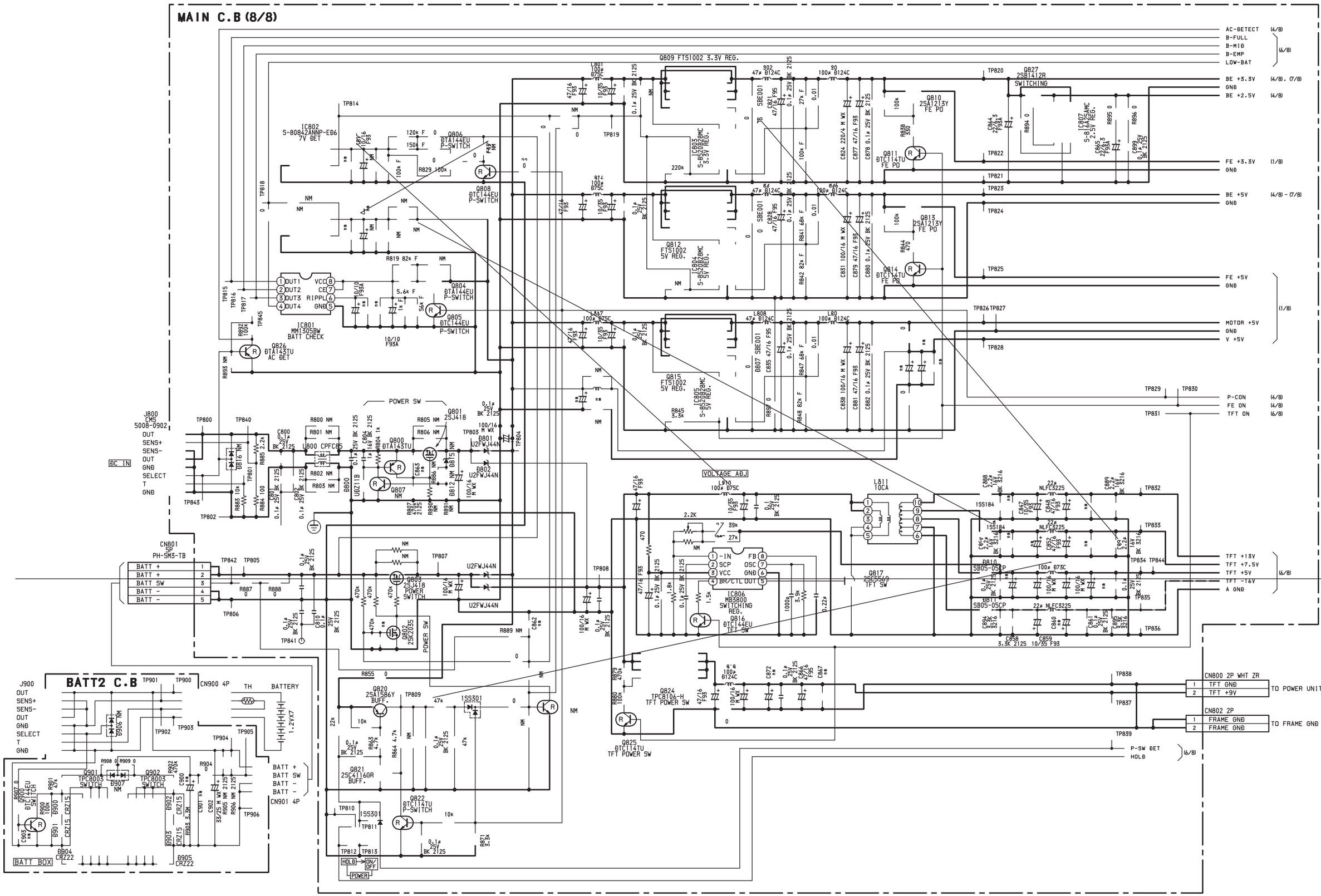
SCHEMATIC DIAGRAM-6 (MAIN 6/8)



SCHEMATIC DIAGRAM-7 (MAIN 7/8)

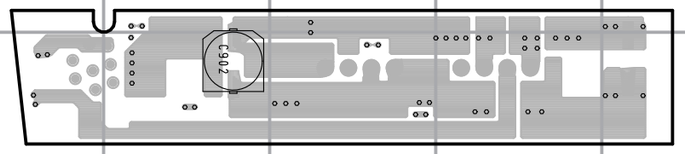


SCHEMATIC DIAGRAM-8 (MAIN 8/8)

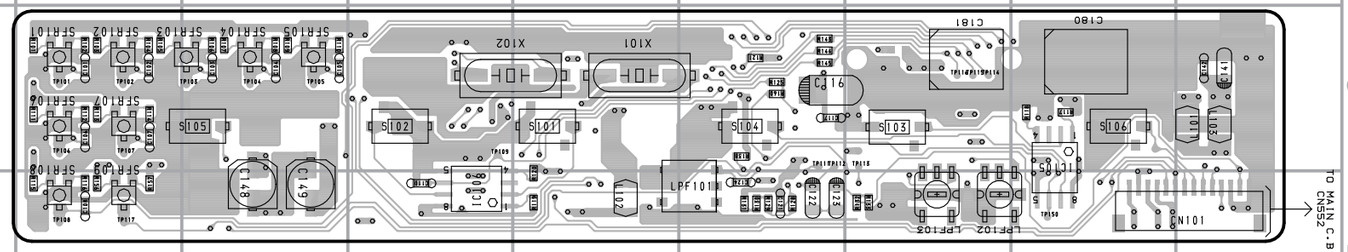


WIRING-5 (TFT/FR1/FR2/BATT1/BATT2: COMPONENT SIDE)

BATT 2 C.B
(COMPONENT SIDE)

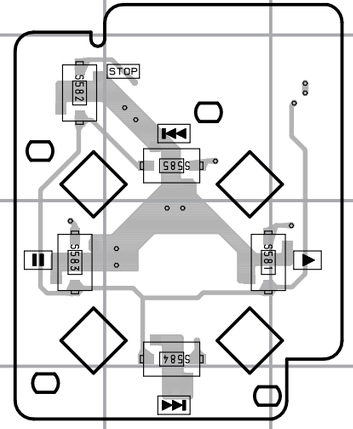


TFT C.B
(COMPONENT SIDE)

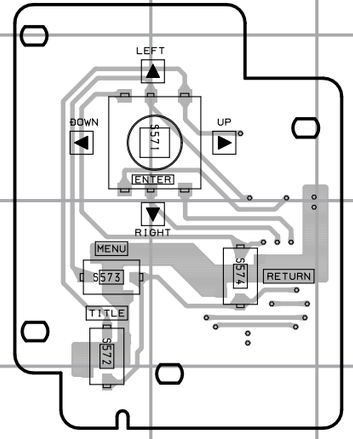


SFR101 CONTRAST
SFR102 TINT
SFR103 GAMMA 2
SFR104 GAMMA 0
SFR105 PEDESTAL
SFR106 WHITE BALANCE (WR)
SFR107 WHITE BALANCE (WB)
SFR108 COM OUT
SFR109 COM BIAS

FR2 C.B
(COMPONENT SIDE)

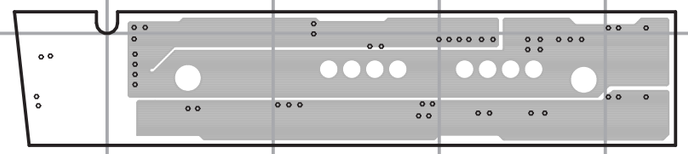


FR1 C.B
(COMPONENT SIDE)

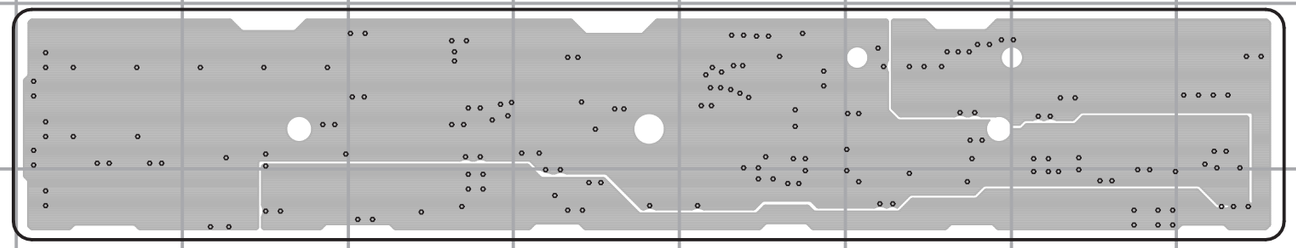


WIRING-6 (TFT/FR1/FR2/BATT1/BATT2: 2ND LAYER)

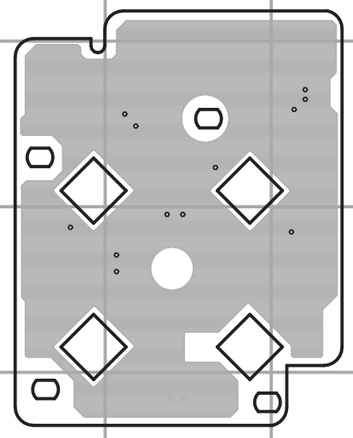
BATT2 C.B
(2ND LAYER)



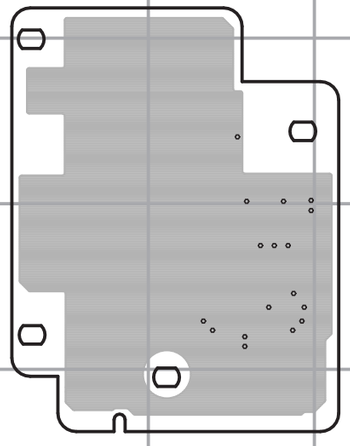
TFT C.B
(2ND LAYER)



FR2 C.B
(2ND LAYER)

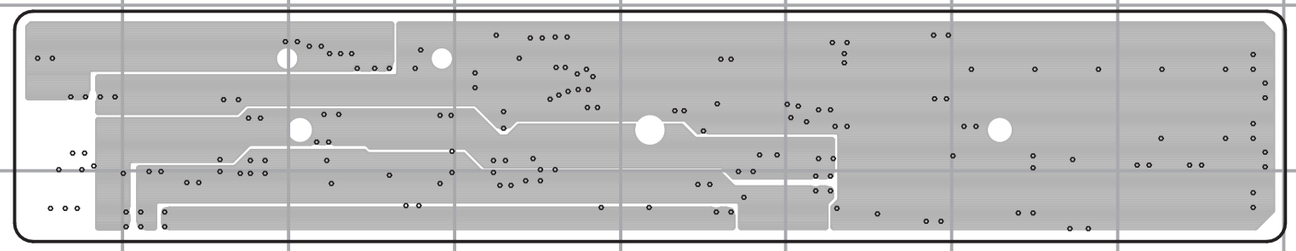


FR1 C.B
(2ND LAYER)

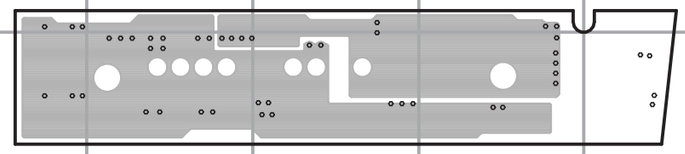


WIRING-7 (TFT/FR1/FR2/BATT1/BATT2: 3RD LAYER)

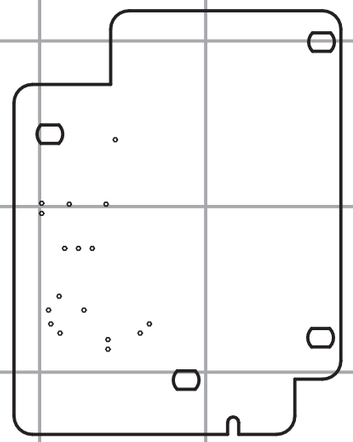
TFT C.B
(3RD LAYER)



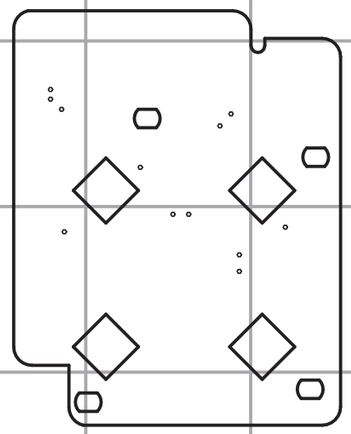
BATT2 C.B
(3RD LAYER)



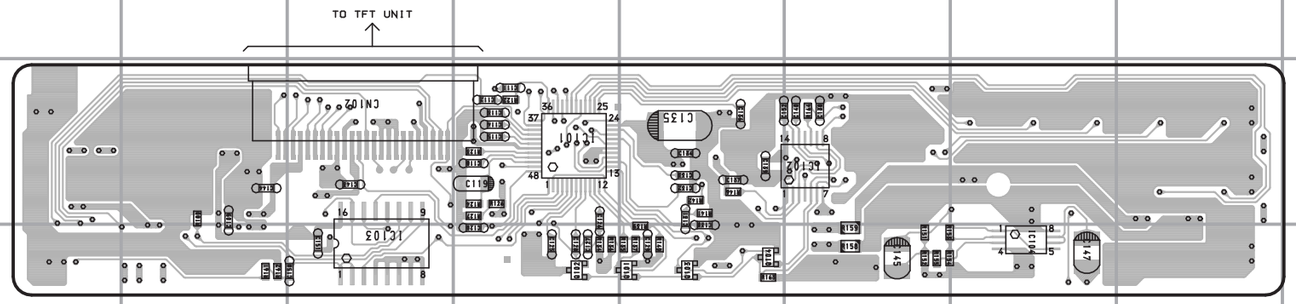
FR1 C.B
(3RD LAYER)



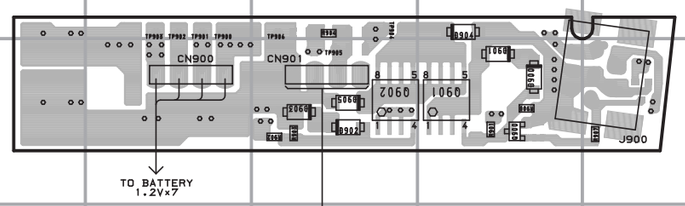
FR2 C.B
(3RD LAYER)



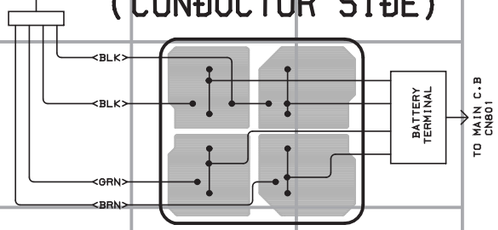
TFT C.B
(CONDUCTOR SIDE)



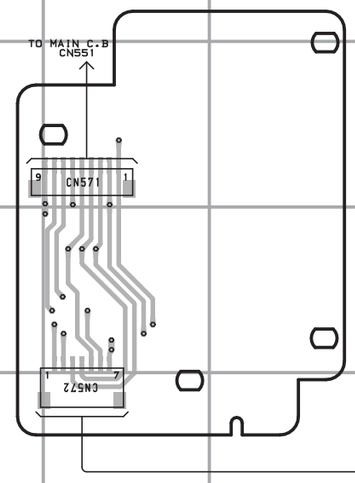
BATT2 C.B
(CONDUCTOR SIDE)



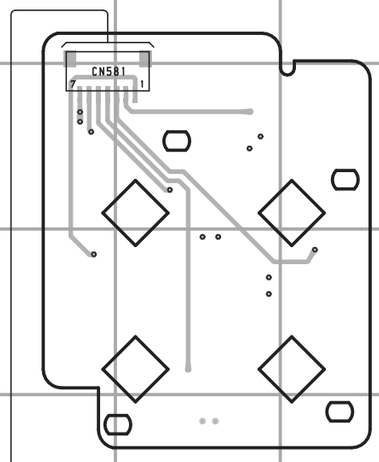
BATT1 C.B
(CONDUCTOR SIDE)



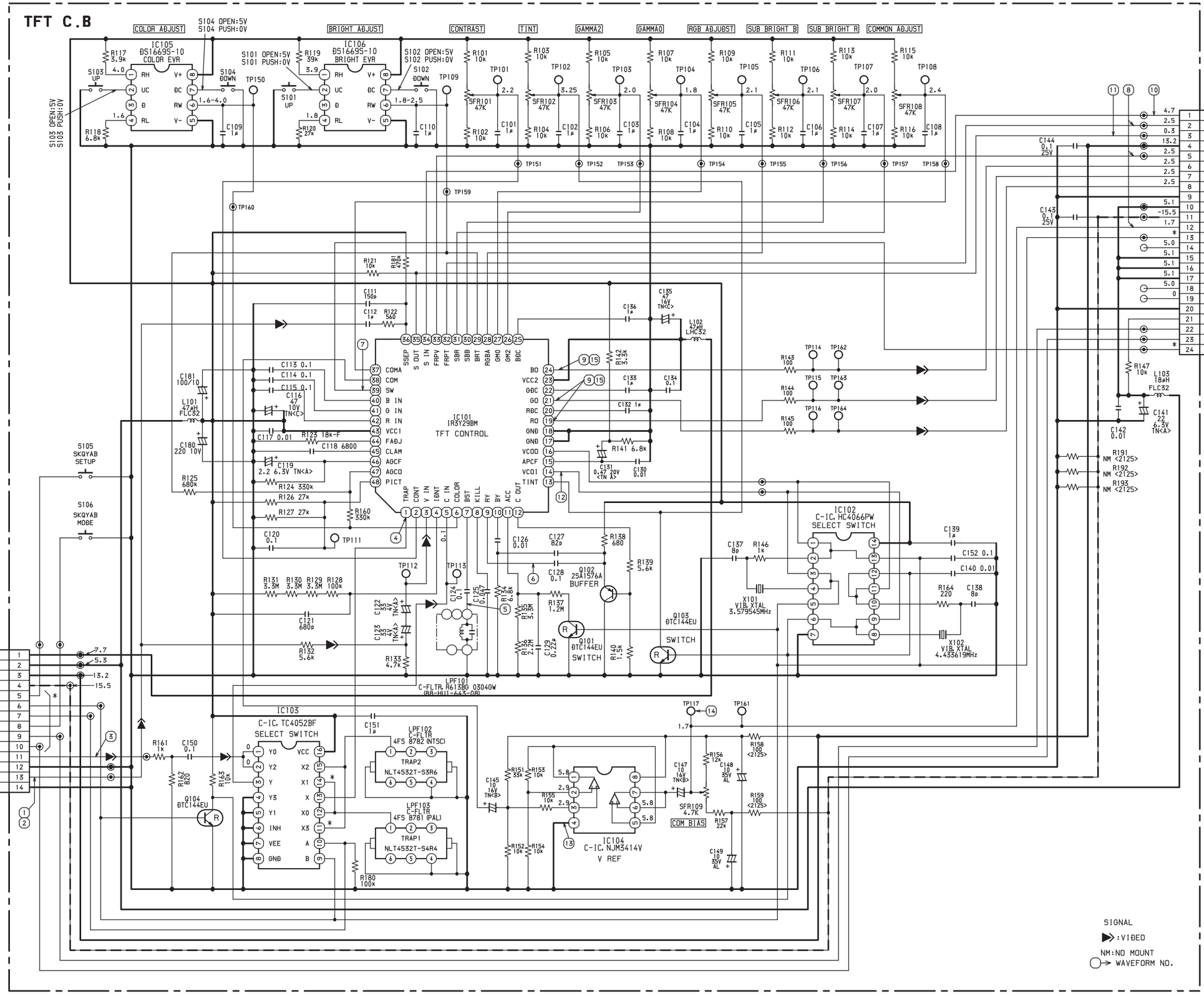
FR1 C.B
(CONDUCTOR SIDE)



FR2 C.B
(CONDUCTOR SIDE)



SCHEMATIC DIAGRAM-9 (TFT)



TFT C.B VOLTAGE INFORMATION

*:
CN101

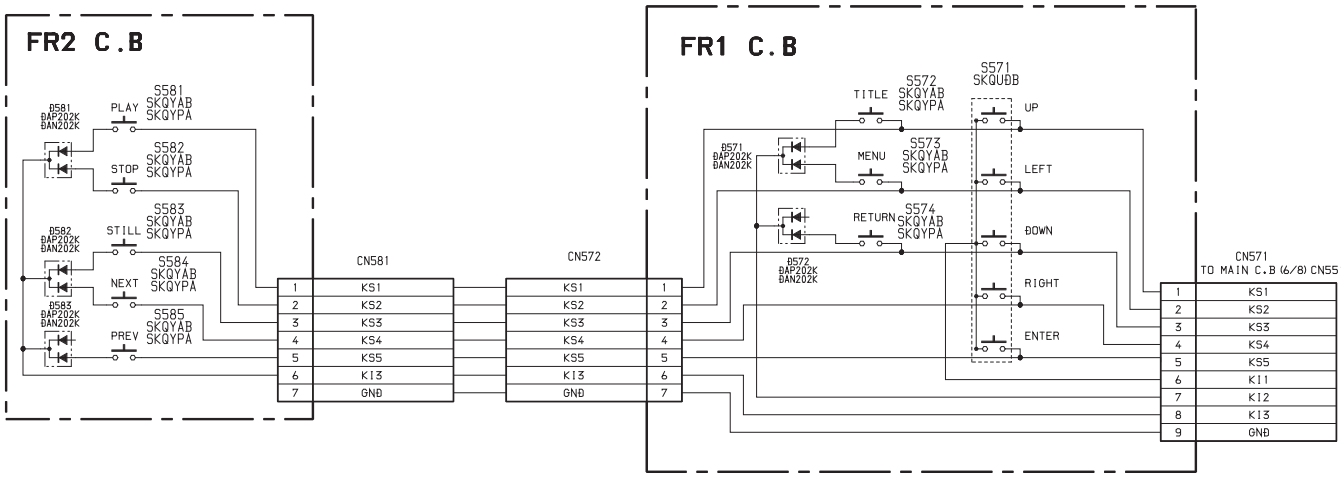
PIN NO.	PIN NAME	PUSH	OPEN		
5	SETUP	0	5.0		
8	TFT MODE	0	5.0		
PIN NO.	PIN NAME	NTSC	PAL		
6	NT/PAL	5.0	0		
PIN NO.	PIN NAME	PLAY	EXT INPUT		
7	INSEL	0	5.0		
PIN NO.	PIN NAME	FULL	NORM	ZOOM	OFF
9	MODW	5.0	0	0	0
10	MODN	5.0	5.0	0	0

*:
CN102

PIN NO.	PIN NAME	NTSC	PAL
13	NTSC/PAL	5.0	0
PIN NO.	PIN NAME	NORMAL	OTHER
24	VCS	1.0	0

*:
IC103

PIN NO.	PIN NAME	NTSC	PAL
11	X3	2.5	0
14	X1	0	2.5


FR2 C.B
S581
SKQYAB
SKQYPA
PLAY
STOP
S582
SKQYAB
SKQYPA
S583
SKQYAB
SKQYPA
STILL
S584
SKQYAB
SKQYPA
NEXT
S585
SKQYAB
SKQYPA
PREV
D581
DAP202K
DAN202K
D582
DAP202K
DAN202K
D583
DAP202K
DAN202K
CN581
1 KS1
2 KS2
3 KS3
4 KS4
5 KS5
6 KI3
7 GND
CN572
KS1 1
KS2 2
KS3 3
KS4 4
KS5 5
KI3 6
GND 7
FR1 C.B
S572
SKQYAB
SKQYPA
TITLE
S571
SKQUDB
UP
D571
DAP202K
DAN202K
MENU
S573
SKQYAB
SKQYPA
LEFT
RETURN
S574
SKQYAB
SKQYPA
DOWN
D572
DAP202K
DAN202K
RIGHT
ENTER
CN571
TO MAIN C.B (6/8) CN551
1 KS1
2 KS2
3 KS3
4 KS4
5 KS5
6 KI1
7 KI2
8 KI3
9 GND

VOLTAGE INFORMATION

(TFT C.B)

IC101

PIN No.	VOLTAGE (V)	PIN No.	VOLTAGE (V)
1	2.47 (NT PB)	25	2.9
2	2.2	26	2.0
3	2.5	27	1.8
4	0.8	28	2.0
5	INT : 2.8	29	1.9
	EXT : 0	30	2.1
6	2.5	31	2.1
7	3.4	32	2.5
8	0.9	33	2.5
9	2.0	34	4.7
10	1.9	35	3.6
11	1.5	36	2.6
12	2.7	37	2.4
13	NT : 3.2	38	3.5
	PAL : 0	39	FULL : 0
14	4.3		NORMAL : 1.0
15	2.7		ZOOM : 0
16	3.2	40	2.3
17	0	41	2.3
18	0	42	2.4
19	2.5	43	5.1
20	2.9	44	1.3
21	2.5	45	2.6
22	2.9	46	3.1
23	7.6	47	2.3
24	2.5	48	2.5

IC102

PIN No.	VOLTAGE (V)
1	3.2
2	3.2
3	4.3
4	4.3
5	NT : 5.1
	PAL : 0
6	NT : 0
	PAL : 5.1
7	0
8	0.2
9	4.3
10	0.2
11	3.1
12	NT : 0
	PAL : 5.1
13	NT : 5.1
	PAL : 0
14	5.1

(MAIN C.B)

AUDIO OUTPUT

IC708((TA2120FN (HP))

PIN No.	DVD PB	EE	LINE IN	CD PB
1	1.41	1.43	1.44	1.47
2	1.42	1.44	1.45	1.42
3	3.05	3.07	3.09	3.06
4, 5	3.47	3.50	3.52	3.48
6	1.42	1.44	1.45	1.42
7	1.48	1.52	1.50	6.0
8	1.42	1.44	1.45	1.42
9	0	0	0	0
10	1.42	1.44	1.45	1.42
11	1.42	1.44	1.45	1.46
12, 13	0	0	0	0
14, 15	1.42	1.44	1.45	1.45
16, 17	0	0	0	0
18	1.24	0.77	1.24	1.25
19	0	2.91	0.5	0.31
20	4.64	4.65	2.16	4.60
21	1.42	1.44	1.46	1.43
22	1.42	1.44	1.45	1.42
23	0	0	0	0
24	1.42	1.44	1.46	1.42

IC706 (NJM1105M (SP))

PIN No.	DVD PB	EE	LINE IN	CD PB
1, 2	0	0	0	0
3	2.54	2.51	2.52	2.49
4, 5	0	0	0	0
6, 7	2.52	2.53	2.50	2.47
8	0	0	0	0
9	5.06	5.08	5.0	5.03
10	3.72	0.57	3.78	3.73
11, 12	0	0	0	0
13	2.55	2.51	2.52	2.49
14, 15	0	0	0	0
16	0	0	2.94	0
17	0	0	0	0
18	2.50	2.49	2.49	2.46
19, 20	0	0	0	0
21	2.51	2.55	2.50	2.47
22	2.49	2.55	2.48	2.44
23	0	0	0	0
24	2.49	2.55	2.49	2.44
25	2.52	2.55	2.50	2.47
26, 27	0	0	0	0
28	2.50	2.51	2.49	2.46
29, 30	0	0	0	0

IC701 (PCM1716)

PIN No.	DVD PB	EE	LINE IN	CD PB
1	1.71	0	0	1.72
2	1.43	0	0	1.41
3	1.72	1.74	1.74	1.73
4	2.20	2.27	1.94	2.33
5	1.67	1.69	1.71	1.55
6	2.76	2.82	2.97	3.07
7	0	0	0	0
8, 9	4.95	4.95	5.0	4.94
10	0	0	0	0
11	2.46	2.47	2.49	2.46
12	0	0	0.1	0
13	2.49	2.52	2.41	2.47
14	0	0	0	0
15	4.95	4.95	5.0	4.94
16	2.48	2.44	2.51	2.48
17	0	0	0.08	0
18	2.47	2.47	2.48	2.46
19	0	0	0	0
20	4.95	4.95	5.0	4.94
21	1.1	0	0	1.40
22	4.46	4.65	2.14	4.60
23	0	0	0	0
24	4.94	4.94	4.98	4.90
25	4.93	4.94	4.98	4.85
26	3.46	3.49	3.53	3.47
27	4.93	4.94	4.99	4.87
28	4.93	4.94	4.99	4.86

IC702 (NJM4580E)

PIN No.	DVD PB	EE	LINE IN	CD PB
1	2.47	2.53	2.47	2.43
2	2.48	2.48	2.49	2.48
3	2.47	2.47	2.47	2.45
4	0	0	0	0
5	2.47	2.47	2.48	2.45
6	2.48	2.48	2.49	2.45
7	2.47	2.47	2.53	2.43
8	4.95	4.95	5.01	4.94

IC703

PIN No.	DVD PB	EE	LINE IN	CD PB
1	2.39	2.27	2.52	2.4–
2	2.45	2.45	2.48	2.45
3	2.45	2.45	2.47	2.44
4	0	0	0	0
5	2.45	2.45	2.48	2.45
6	2.45	2.45	2.48	2.42
7	2.13	2.45	2.37	2.47
8	4.95	4.95	5.01	4.94

IC704

PIN No.	DVD PB	EE	LINE IN	CD PB
1	2.40	2.42	2.37	2.47
2	2.40	2.42	–	2.47
3	2.49	0.41	2.43	1.31
4	2.47	2.47	2.38	2.45
5, 6	0.02	0.02	4.96	0.02
7	0	0	0	0
8	2.46	2.46	2.43	2.43
9	2.59	2.09	2.43	1.1–
10	2.39	2.28	2.20	2.48
11	2.39	2.28	1.80	2.48
12, 13	4.95 (Vol 4.87 to 4.95)	4.97	4.97	4.92
14	4.95	4.95	4.95	4.94

IC401

PIN No.	DVD PB	EE	LINE IN	CD PB
1	4.96	4.99	1.58	4.90
2, 3	0	0	0	0
4	4.97	5.0	1.59	4.94
5	0	0	0	0
6	4.97	5.0	1.55	4.94
7	0	0	0	0
8	4.97	5.0	1.57	4.94
9	0	0	0	0
10	4.97	5.01	1.57	4.94
11, 12	0	0	0	0
13	4.92	4.96	1.58	4.90
14	4.97	5.01	1.57	4.94

IC603

PIN No.	DVD PB	EE	LINE IN	CD PB
1	2.92	2.94	3.00	2.93
2	4.96	4.97	0.01	4.92
3	2.89	2.89	3.03	2.89
4, 5	0	0	0	0
6	4.85	4.87	4.99	4.82
7	2.13	2.15	2.27	2.15
8	0	0	0	0

IC602

PIN No.	DVD PB	EE	LINE IN	CD PB
1	1.31	1.32	1.28	1.28
2	4.95	4.97	0.01	4.92
3	0	1.66	1.28	1.58
4	0	0	0.73	0
5	0	0	0.43	0
6	4.85	4.87	4.99	4.82
7	2.18	2.19	1.39	2.05
8	0	0	0	0

Q824

PIN No.	DVD PB	EE	LINE IN	CD PB
1, 2, 3	8.96	9.13	9.27	9.12
4	1.56	1.59	1.68	1.65
5 to 8	8.95	9.13	9.27	9.11

IC601

PIN No.	DVD PB	EE	LINE IN	CD PB
1	4.85	4.88	4.98	4.82
2	1.05	0.91	0.01	0.90
3	0.90	1.00	0.01	0.99
4	1.70	1.75	1.72	1.74
5 to 10	0	0	0	0
11	4.85	4.87	4.98	4.82
12 to 14	0	0	0	0
15	4.83	4.86	4.97	4.80
16, 17	4.83	4.86	4.97	4.78
18	4.83	4.85	4.97	4.63
19	0	0	0	0
20	4.85	4.87	4.98	4.82
21	0	0	0	0
22	4.63	4.66	2.13	4.60
23, 24	4.85	4.87	4.98	4.82
25	3.60	3.62	4.98	3.55
26	0.65	0.65	0	0.69
27	0.5	0.51	0	0.53
28	4.85	4.87	4.98	4.82
29	0	0	0	0
30	4.85	4.87	4.98	4.82
31	0.02	0.02	0.02	0.16
32	0.51	0.52	0	0.48
33	1.23	1.23	0	1.23
34	1.23	1.23	0	1.24
35	0	0	0	0
36	0.03	0.02	0	0.18
37	4.8	4.82	4.93	4.63
38	1.01	1.81	0	1.81
39	0.84	0.73	0	0.73
40	0.84	0.73	0	0.72
41	0.56	0.75	0	0.75
42	1.58	1.24	1.71	1.24
43	0	0	0	0
44	2.14	2.17	1.77	1.74

IC551

PIN No.	DVD PB	EE	LINE IN	CD PB
1, 2	5.06	5.08	5.1	5.0
3	4.95	4.97	0.01	4.92
4	4.98	4.99	5.01	4.94
5 to 43	2.53	2.54	2.55	2.52
44	4.58	4.62	4.78	4.6–
45	4.60	4.60	4.7–	4.6–
46	4.60	4.71	4.7–	4.7–
47	4.60	4.61	4.5–	4.5–
48	4.50	4.52	4.5–	4.5–
49	4.69	4.70	4.7–	4.6–
50	0	0.02	0	0.55
51	3.60	3.69	3.6–	3.6–
52	0	0	0	0.10
53	3.76	3.84	3.7–	3.7–
54	3.80	3.87	3.7–	3.8–
55	0	0	0	0
56	5.06	5.14	5.1	5.03
57	3.37	3.40	3.39	3.36
58	1.70	1.74	1.71	1.68
59	0	0	0	0
60	3.96	3.98	3.95	3.95
61	0.41	0.42	0.4	0.4–
62	0.17	0.16	0.18	0.20
63	5.06	5.10	5.1	5.01
64	–	–	–	–

IC604

PIN No.	DVD PB	EE	LINE IN	CD PB
1	2.22	2.23	1.90	2.22
2	0	0	0	0
3	2.35	2.38	1.65	2.36
4	2.40	2.43	1.56	2.41
5	2.76	2.77	2.83	2.71
6	4.85	0	0	0
7	4.85	4.86	4.97	4.82
8	2.75	2.75	2.82	2.70

IC705

PIN No.	DVD PB	EE	LINE IN	CD PB
1	1.11	0.97	2.47	1.15
2	1.08	0	0	1.72
3 to 9	0	0	0	0
10, 11	0.02	0.02	4.95	0.02
12	1.06	0.15	0.1	1.78
13	0.89	2.49	2.46	1.14
14	1.06	0.15	2.46	1.78
15	1.08	0	2.47	1.72
16	4.95	4.95	4.95	4.94

IC707

PIN No.	DVD PB	EE	LINE IN	CD PB
1	3.50	3.51	3.54	3.57
2	0	0	0	0
3	1.60	1.60	1.23	1.24
4	4.95	4.95	4.95	4.94
5	0	0	0	0
6	5.05	5.06	5.13	5.03

IC200

PIN No.	DVD PB	EE	LINE IN	CD PB
1	0	0	0	0
2	4.82	4.86	0.87	3.92
3	0.02	0.02	0	0.33
4 to 6	2.06	2.08	0.67	2.06
7	1.21	1.22	0.37	1.21
8	1.71	1.72	0.56	1.73
9	3.43	3.44	0.68	3.45
10	(2.04)	2.00	0.06	2.18
11	(2.04)	2.00	0.07	2.17
12, 13	(–)	4.94	1.51	4.88
14, 15	0	0	0	0
16	–	0	0	0
17	–	2.36	1.50	2.36
18	0	0	0	0
20	–	1.37	0.24	1.43
21	4.95	4.98	1.51	4.93
22 to 24	2.45	2.47	0.01	2.48
25, 26	0	0	0	0
27	4.94	4.99	1.56	4.92
28	4.09	4.14	0.76	4.07
29, 30	2.06	2.08	0.70	2.06
31	1.31	0.97	0.34	1.80
32	1.98	2.07	0.69	2.06
33	1.74	1.74	0.50	1.74
34	1.76	1.68	0.53	1.69
35 to 39	2.06	2.08	0.70	2.06
40	3.41	3.43	0.73	3.44
41	1.55	0.88	0.17	1.35
42	1.54	0.85	0.53	1.34
43	–	1.98	0.20	2.1–
44	–	3.04	0.23	2.81
45	2.21	2.23	0.83	2.13
46	4.93	4.99	1.55	4.92
47	1.41	1.73	0.57	1.73
48	1.71	1.73	0.57	1.69
49	1.71	1.73	0.57	1.67
50, 51	4.93	4.99	1.55	4.92
52	4.95	5.00	1.56	4.94
53	2.35	1.75	0.60	2.40
54	1.17	1.72	0.44	1.72
55	0	0	0	0
56	–	2.82	1.16	2.83
57	1.91	2.49	0.58	2.48
58	1.71	1.73	0.58	1.73
59	0.25	0	0	0
60	3.57	4.87	0.95	4.80
61to 64	2.05	2.08	0.70	2.06
65	4.93	4.99	1.55	4.92
66	0	0	0	0
67	2.16	2.08	0.70	2.05
68	2.23	2.09	0.70	2.05
69	2.20	2.08	0.70	2.05
70	2.14	2.08	0.70	2.06
71	4.93	4.99	1.55	4.92
72	2.05	2.08	0.70	2.32
73	2.06	2.09	0.70	2.33
74	2.05	2.08	0.70	2.32
75	2.06	2.09	0.70	2.33
76	0	0	0	0
77	2.05	2.08	0.70	2.32
78	2.06	2.09	0.70	2.33
79, 80	2.06	0.70	0.70	2.77

POWER

Q810

PIN No.	DVD PB	EE	LINE IN	CD PB
E	3.47	3.47	3.53	3.47
C	3.43	3.43	0.76	3.43
B	2.74	2.75	3.50	2.74

Q813

PIN No.	DVD PB	EE	LINE IN	CD PB
E	5.06	5.08	5.12	5.14
C	4.97	5.02	1.56	5.06
B	4.30	4.34	5.07	4.38

Q827

PIN No.	DVD PB	EE	LINE IN	CD PB
E	3.45	3.46	3.52	3.46
C	2.53	2.53	2.53	2.51
B	2.77	2.83	2.86	2.80

L811

PIN No.	DVD PB	EE	LINE IN	CD PB
1, 2	8.97	8.97	9.21	9.03
3	–	–	–	–
4, 5	8.88	8.88	9.13	8.94
6	−1.86	−1.86	−2.14	−2.09
7	−0.01	−0.01	0	−0.01
8	−0.371	−0.37	−0.41	−0.41
9	0.68	−0.68	−0.77	−0.76
10	−1.64	−1.64	−1.84	−1.82

IC806

PIN No.	DVD PB	EE	LINE IN	CD PB
1	0.50	0.50	0.50	0.50
2	−0.11	0.02	0.02	0.02
3	4.83	4.94	5.13	4.86
4	0.44	0.43	0.44	0.43
5	0.33	0.34	0.33	0.33
6	−0.01	−0	0	−0.01
7	–	–	–	–
8	0.38	0.38	0.37	0.38

Q809

PIN No.	DVD PB	EE	LINE IN	CD PB
1	3.48	3.48	3.43	3.42
2, 3	8.88	9.00	9.24	9.01
4	5.22	5.28	5.55	5.30
5	3.49	3.48	3.43	3.42
6. 7	8.88	9.05	9.24	9.01
8	3.49	3.46	3.43	3.42

Q812

PIN No.	DVD PB	EE	LINE IN	CD PB
1	5.20	5.19	5.13	5.26
2, 3	8.88	9.04	9.26	8.99
4	3.51	3.67	3.95	3.53
5	5.20	5.19	5.13	5.26
6, 7	8.88	9.05	9.26	8.99
8	5.20	5.19	5.13	5.26

Q815

PIN No.	DVD PB	EE	LINE IN	CD PB
1	5.15	5.15	1.66	5.14
2, 3	8.97	9.12	9.27	9.05
4	3.68	6.27	9.27	4.3
5	5.15	5.15	1.66	5.14
6, 7	8.97	9.16	9.27	9.05
8	5.15	5.15	1.66	5.14

Q801

PIN No.	DVD PB	EE	LINE IN	CD PB
E	9.33	9.82	9.56	9.41
C	9.24	9.82	9.50	9.33
B	0.02	0.02	0.01	0

Q803 <POWER SUPPLY: AC>

PIN No.	DVD PB	EE	LINE IN	CD PB
G	89.0	8.95	9.17	9.03
S	Cannot be measured.			
D	0.03	0	0.01	0.01

PIN No.	DVD PB	EE	LINE IN	CD PB
TP805	9.01	9.12	9.28	9.09
TP806	−0.01	−0.01	−0.01	−0.01
TP802	−0.05	−0.04	−0.03	−0.04
TP800	9.36	9.44	9.58	9.44

Q900

PIN No.	AC	DC
E	0	0
C	0	0
B	3.83	0

Q901

PIN No.	AC	DC
1 to 3	0	0
4	0	0
5 to 8	0.48	0

Q902

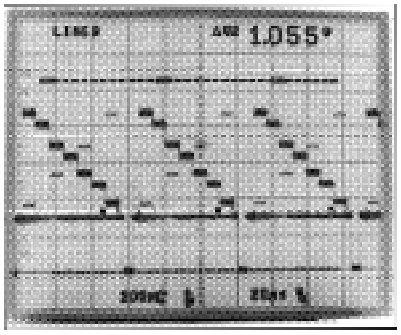
PIN No.	AC	DC
1 to 3	0.42	0.01
4	0.06	0
5 to 8	0.48	0

PIN No.	AC	DC
TP904	10.14	9.80
TP905	0.01	0
TP906	0.32	−0.19
TP900	10.2	9.75
TP901	0	0
TP902	1.47	0
TP903	0.01	0

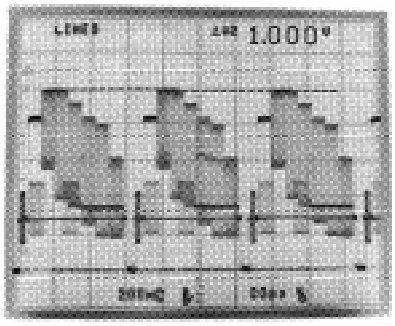
WAVE FORM

(TFT C.B)

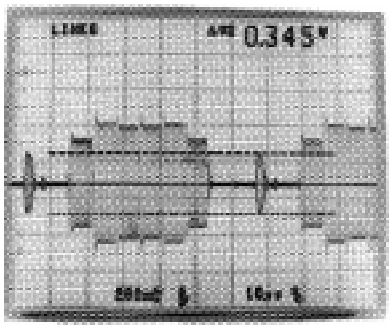
① CN101 Pin ⑬ (CVBS)
Internal signal mode



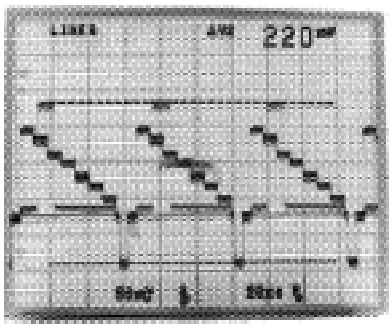
② CN101 Pin ⑬ (CVBS)
External signal mode



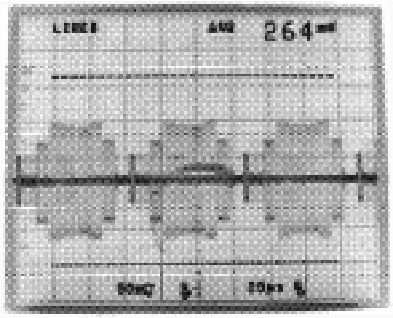
③ CN101 Pin ③ (C IN)



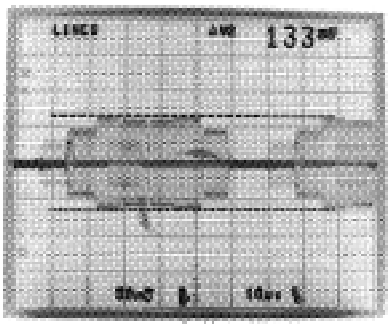
④ IC101 Pin ① (TRAP)
NTSC mode



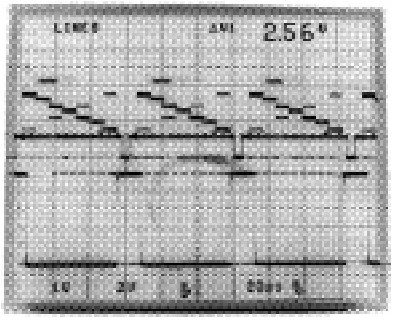
⑤ IC101 Pin ⑦ (BST)



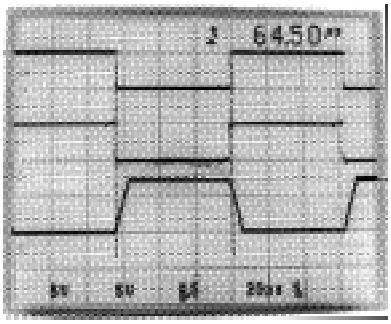
⑥ IC101 Pin ⑨ (RY)



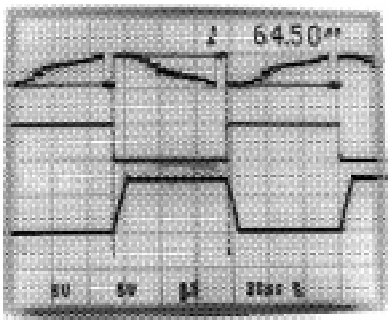
⑦ S-OUT
IC101 Pin ㊴ (SW)



⑧ CN102 Pin ② (FRPT)
CN102 Pin ⑤ (FRPV)
CN102 Pin ⑫ (COM)

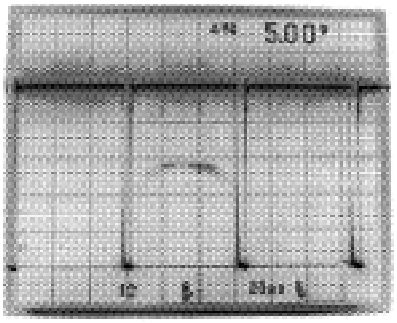


⑨ CN102 Pin ⑥ ⑦ ⑧ (VB/VR/VG)
CN102 Pin ⑤ (FRPV)
CN102 Pin ⑫ (COM)

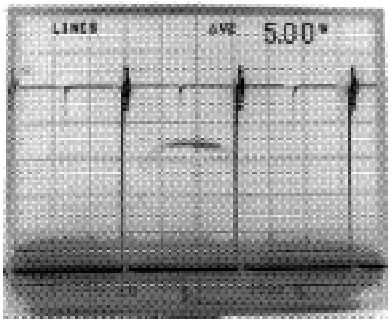


10-step signal input

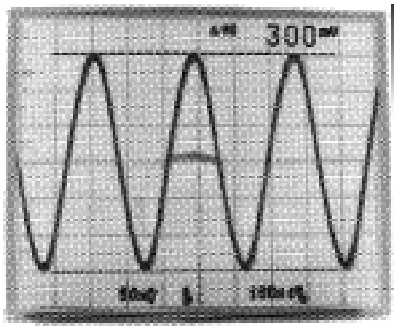
⑩ CN102 Pin ① (HSY)



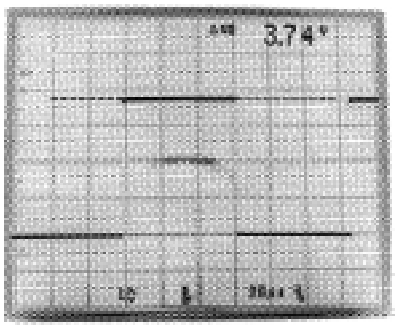
⑪ CN102 Pin ③ (SYN)



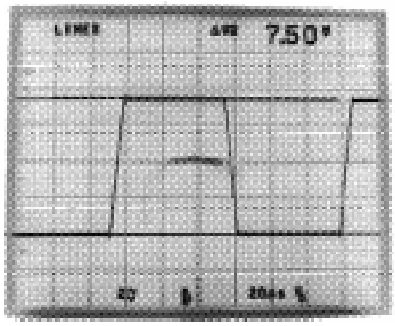
⑫ CN101 Pin ⑭ (VCOI)
(NTSC : 3.58MHz)
(PAL : 4.43 MHz)



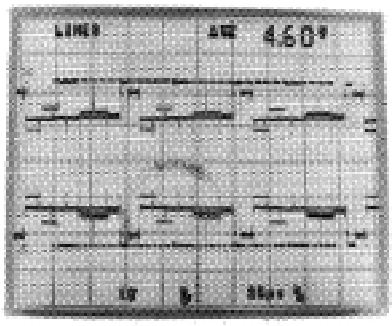
⑬ CN104 Pin ③ (COM)



⑭ TP117 (COM)

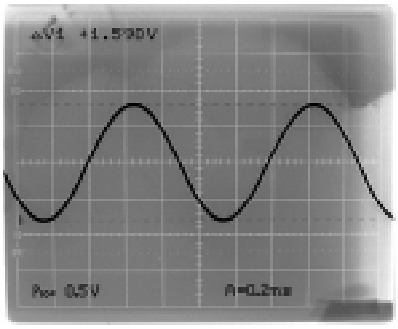


⑮ CN102 Pin ⑥ ⑦ ⑧ (VB/VR/VG)
Color-Bar signal input mode

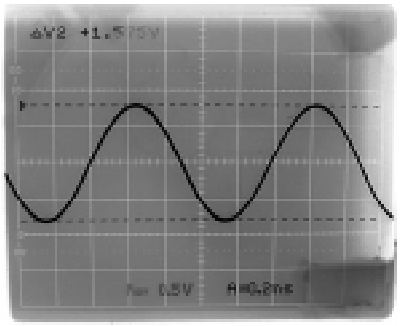


(MAIN C.B)

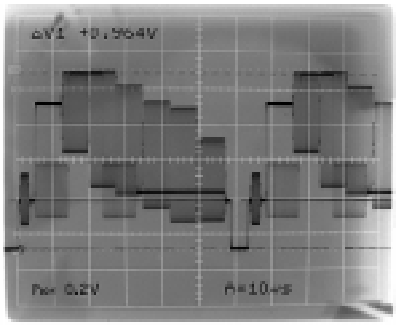
⑯ IC704 Pin ④ (LINE IN AUDIO L-CH)



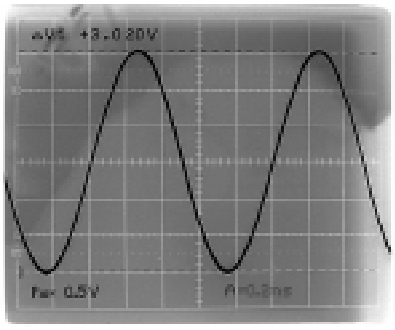
⑰ IC704 Pin ⑧ (LINE IN AUDIO R-CH)



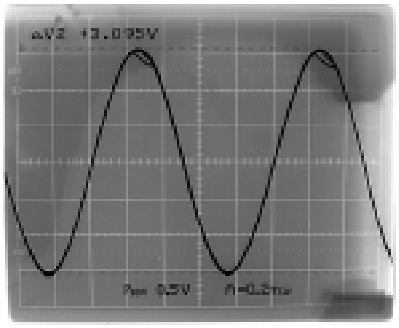
⑱ IC603 Pin ① (LINE IN COMPOSITE VIDEO)



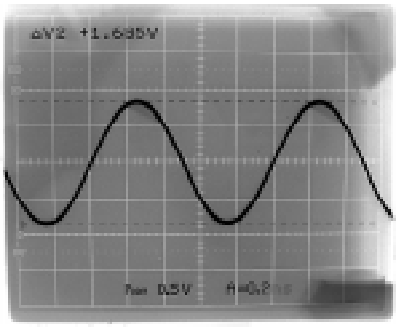
⑲ IC704 Pin ① (DVD AUDIO L-CH)



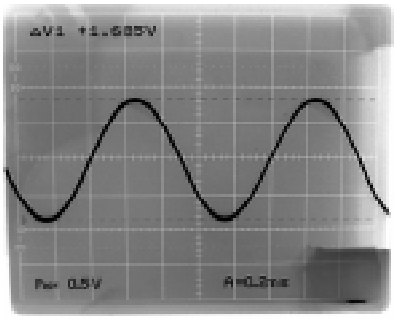
⑳ IC704 Pin ⑪ (DVD AUDIO R-CH)



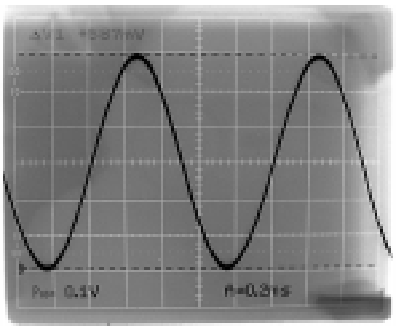
㉑ IC706 Pin ㉔ (DVD SPEAKER AMP IN L-CH)



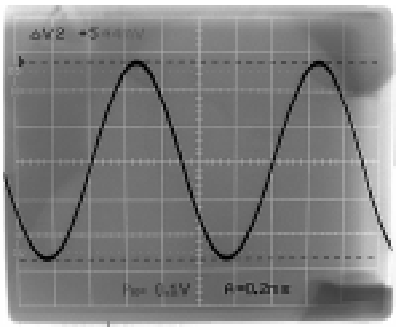
㉒ IC706 Pin ㉒ (DVD SPEAKER AMP IN R-CH)



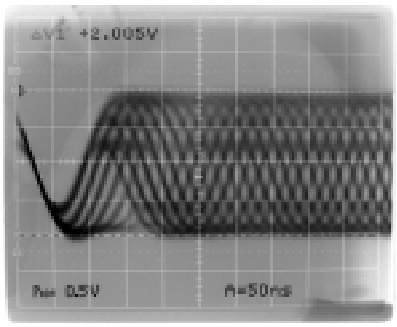
㉓ IC708 Pin ⑭
(DVD HEADPHONE AMP IN L-CH)



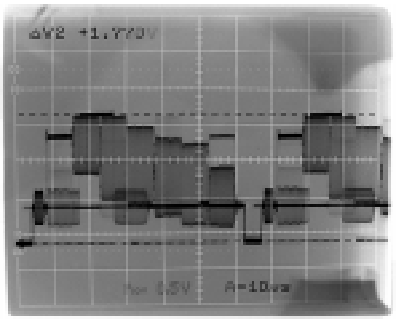
㉔ IC708 Pin ⑮
(DVD HEADPHONE AMP IN R-CH)



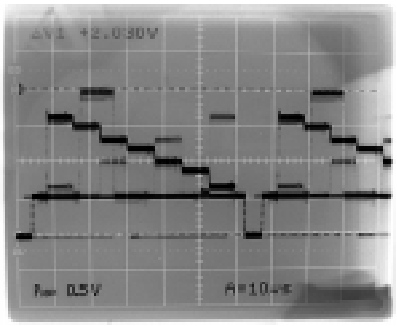
㉕ IC200 Pin ㊺ (DVD RF ENV)



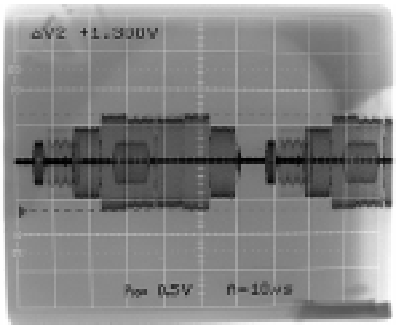
㉖ IC602 Pin ⑦ (DVD COMPOSITE VIDEO)



㉗ IC604 Pin ④ (DVD LUMINANCE)



㉘ IC604 Pin ⑤ (DVD CHROMA)



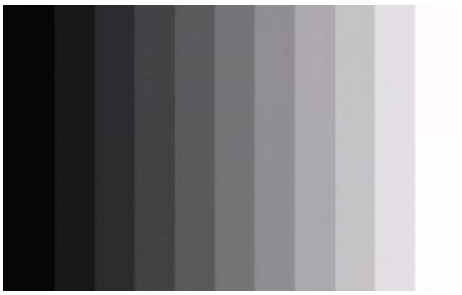
ELECTRICAL ADJUSTMENT

1. Electrical Adjustments

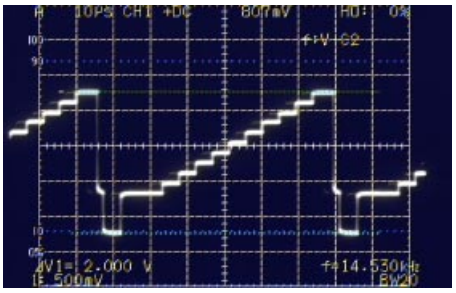
No.	Item	Mode	Input	Instrument	TP	Adjustment element	Adjustment value	Waveform
1	Power 5V	LINE IN, NTSC, FULL MODE	NTSC STAIR STEP, etc.	DC voltmeter	TP834	VR800	5.30 ± 0.01VDC	

2. TFT Monitor Adjustment

* Use LEADER 408NPS as a signal generator. If it is not available, use a signal generator that can output the same waveform.
* Before adjustment, confirm that output of the signal generator is terminated with 75 ohm and 1.0 Vp-p (or unloaded at 2 Vp-p). (Refer to the following table.)



Stair step signal (LEADER: 408NPS)



Waveform diagram Terminated with 75 ohm/1 Vp-p (unloaded at 2 Vp-p)

No.	Item	Mode	Input	Instrument	TP	Adjustment element	Adjustment value	Waveform
1	CONTRAST (rough adjustment)	LINE IN, NTSC, FULL MODE	NTSC STAIR STEP (no burst/10STEP)	Oscilloscope	TP101	SFR101	2.00 ± 0.2VDC	
2	TINT (rough adjustment)				TP102	SFR102	3.25 ± 0.05VDC	
3	γ 2 (rough adjustment)				TP103	SFR103	2.00 ± 0.1VDC	
4	γ 0 (rough adjustment)				TP104	SFR104	2.00 ± 0.1VDC	
5	COLOR (rough adjustment)				TP150	COLOR key (UP/DOWN)	2.65 ± 0.05VDC	
6	BRIGHT (rough adjustment)				TP109	BRIGHT key (UP/DOWN)	2.00 ± 0.01VDC	
7	Pedestal				TP116	SFR105	4.00 ± 0.1VDC	Fig-1
8	γ 0				TP116	SFR104	1.50 ± 0.05Vp-p	Fig-2
9	γ 2				TP116	SFR103	3.50 ± 0.05Vp-p	Fig.3
10	CONTRAST				TP116	SFR101	3.70 ± 0.05Vp-p	Fig.4

No.	Item	Mode	Input	Instrument	TP	Adjustment element	Adjustment value	Waveform
11	White balance (WD)	LINE IN, NTSC, FULL MODE	NTSC STAIR STEP (no burst/10STEP)	CH2 of oscilloscope is in INV mode and ADD mode	TP115(CH1) TP116(CH2)	SFR107	Minimum	Fig-5
12	White balance (WR)				TP115(CH1) TP116(CH2	SFR106	Minimum	Fig-5
13	COM OUT			Oscilloscope	TP117	SFR108	7.50± 0.1Vp-p	Fig-6
14	COM BIAS				TP117	SFR109	–2 ± 0.1V_{DC}	Fig-7
15	PAL COLOR	LINE IN, PAL, FULL MODE	PAL/COLOR BAR		TP114	LPF101	Minimum	Fig-8

3. Servo Adjustment (RF PLL Adjustment)

* This adjustment can be performed even when the TOP cabinet, operation board or TFT block is removed.
* To avoid counting track jumps as errors, track jumps are not performed in the test mode and recorded spiral pits are read, unlike during normal DVD playback. Therefore, during service mode startup, only the Aiwa logo appears; the pictures and sound recorded on the disc are not output.
* During test mode startup, the OPEN/CLOSE detection switch is disabled.
* During test mode startup, keys other than the POWER key are disabled.
* The test mode automatically ends after 6 minutes (The disc rotation stops.) To continue the test mode, turn on the power again.

No.	Contents
1	Short pin-4 and pin-6 (ground) of CN400 (not mounted). (Preparation for test mode startup)
2	Connect a wire of appropriate length to TP429 so that it can be connected to the ground afterward. (Do not connect it to the ground yet.)
3	Connect CH1 of the oscilloscope to TP315 and connect CH2 to TP400.
4	Insert the test disc (MDVD-191A).
5	Turn on the power. (The test mode starts.)
6	Confirm that the pickup reads the innermost circumference of the disc.
7	Check the waveform of TP315 (IC450 pin-60). This waveform means an error that could not be corrected. Error at Low. No errors at High. (digital value)
8	Check the waveform of TP400 (IC400 pin-5). This waveform means the amount of errors before correction. Integrates the values counted by the DSP up to 20 times and outputs them as an analog value each time. If errors occur equally, a stepped waveform will appear.
9	Adjust VR300 so that the waveform of TP315 is fixed at High and the voltage of TP400 is minimized.
10	First, contact the wire connected to TP429 only once. The pickup moves to the outermost circumference.
11	Gently rotate VR300 right and left while checking the waveform and set it to the best point. (SFR does not need to be fully rotated, because it is already adjusted in the innermost circumference.)
12	Cancel the test mode and confirm that the disc can be played back normally.

Returning to the Initial Condition.

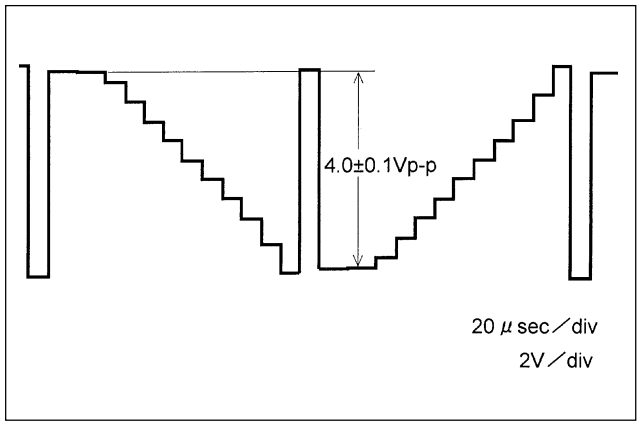


Fig-1

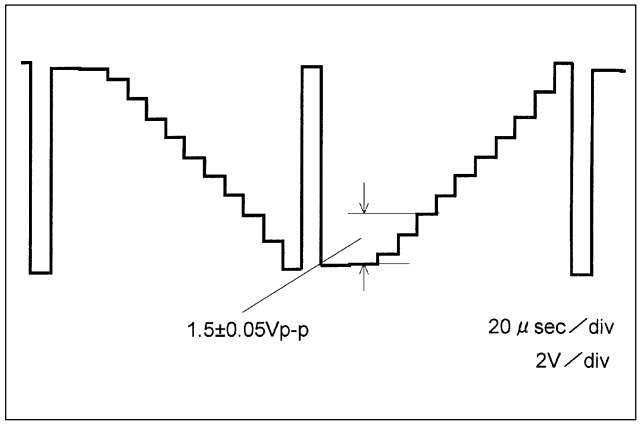


Fig-2

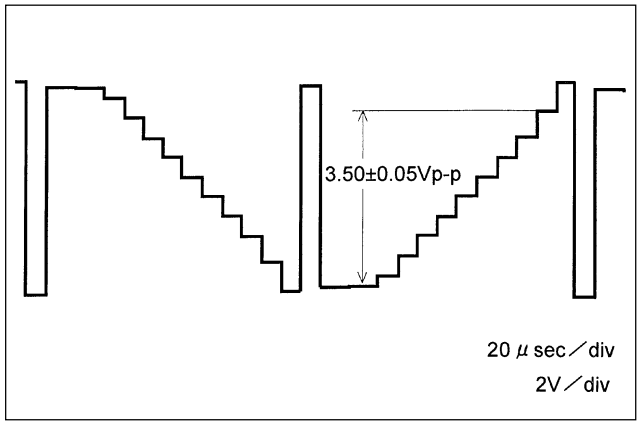


Fig-3

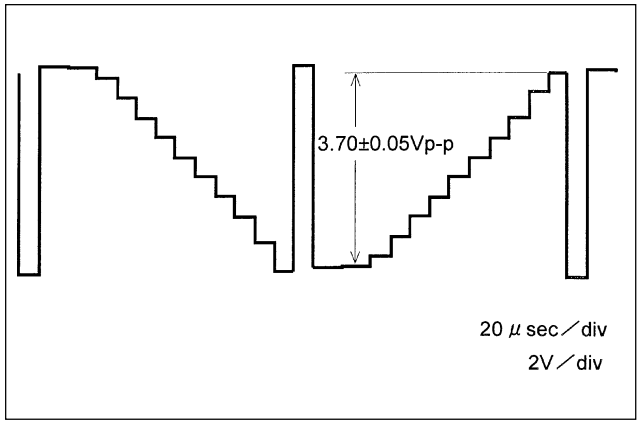


Fig-4

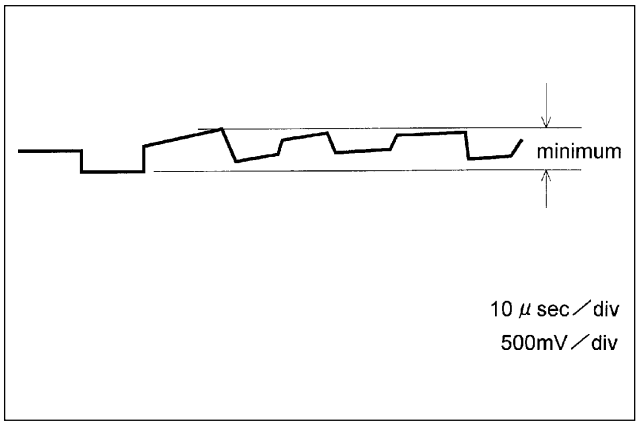


Fig-5

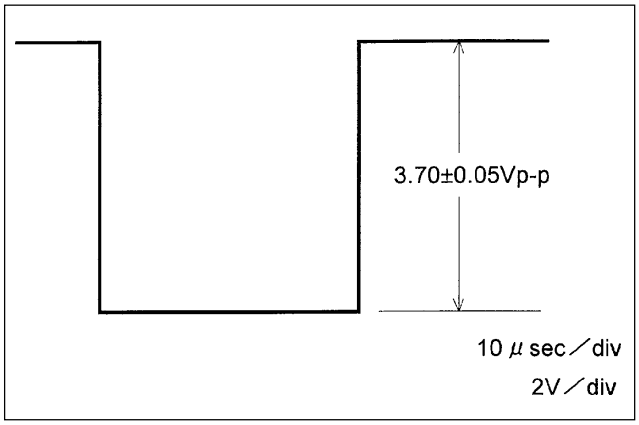


Fig-6

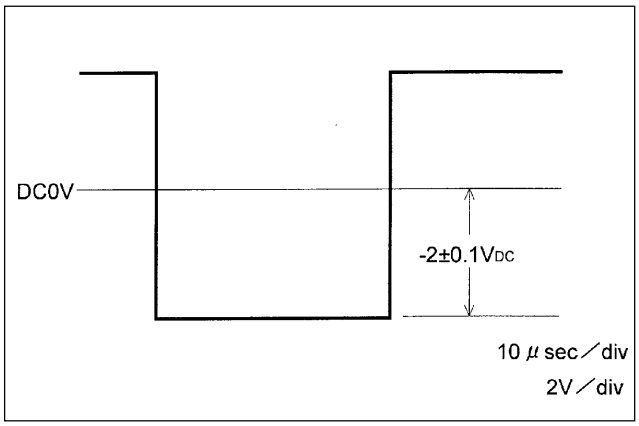


Fig-7

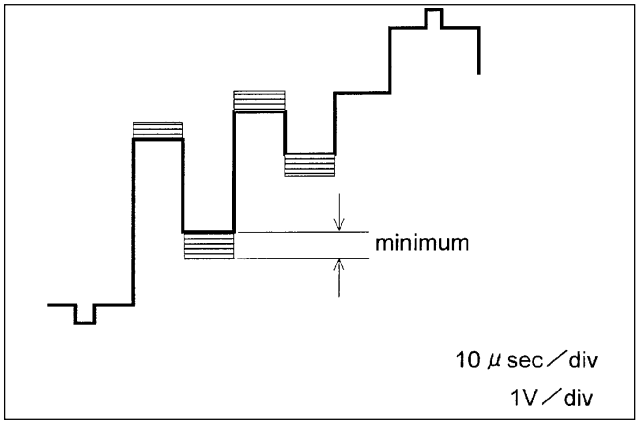
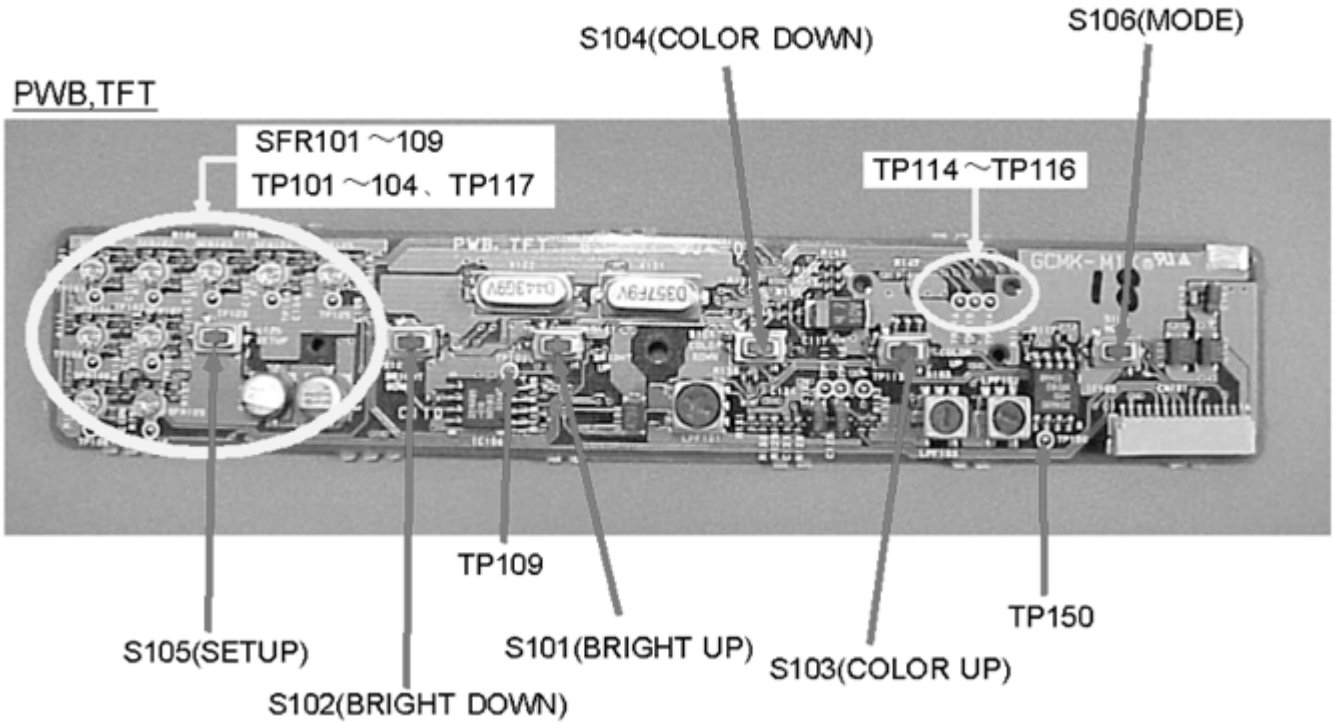
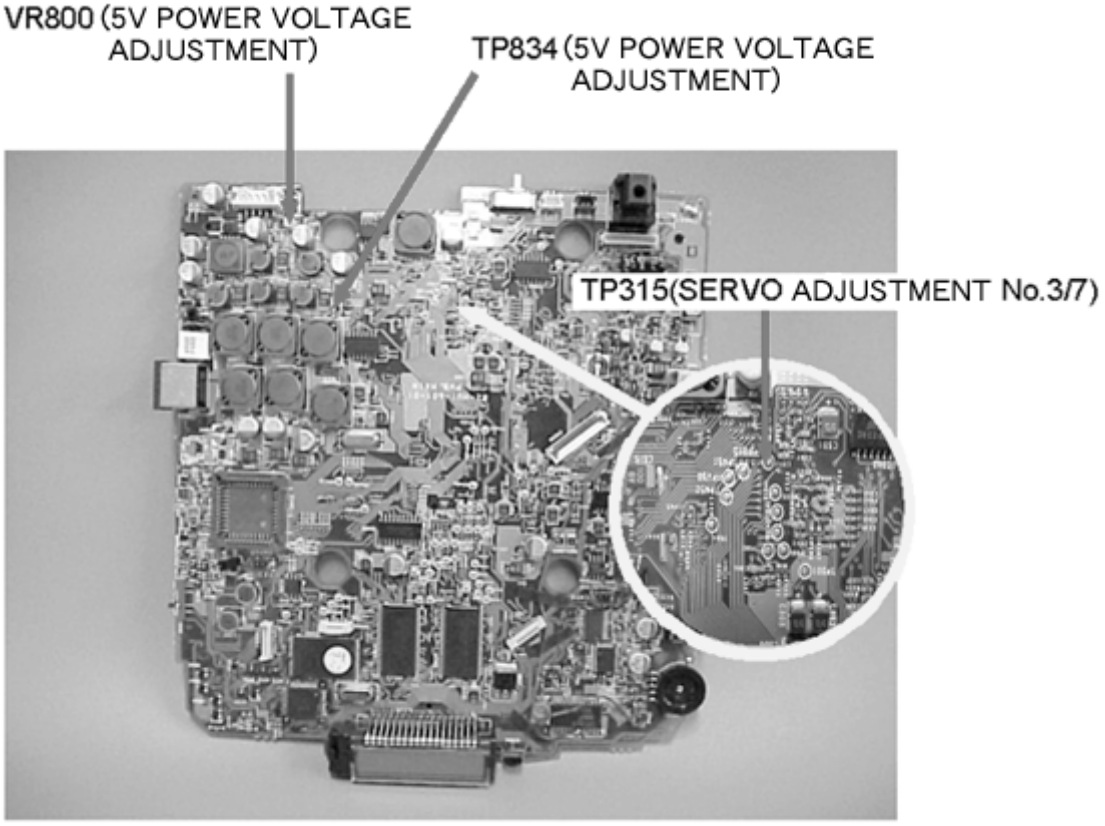


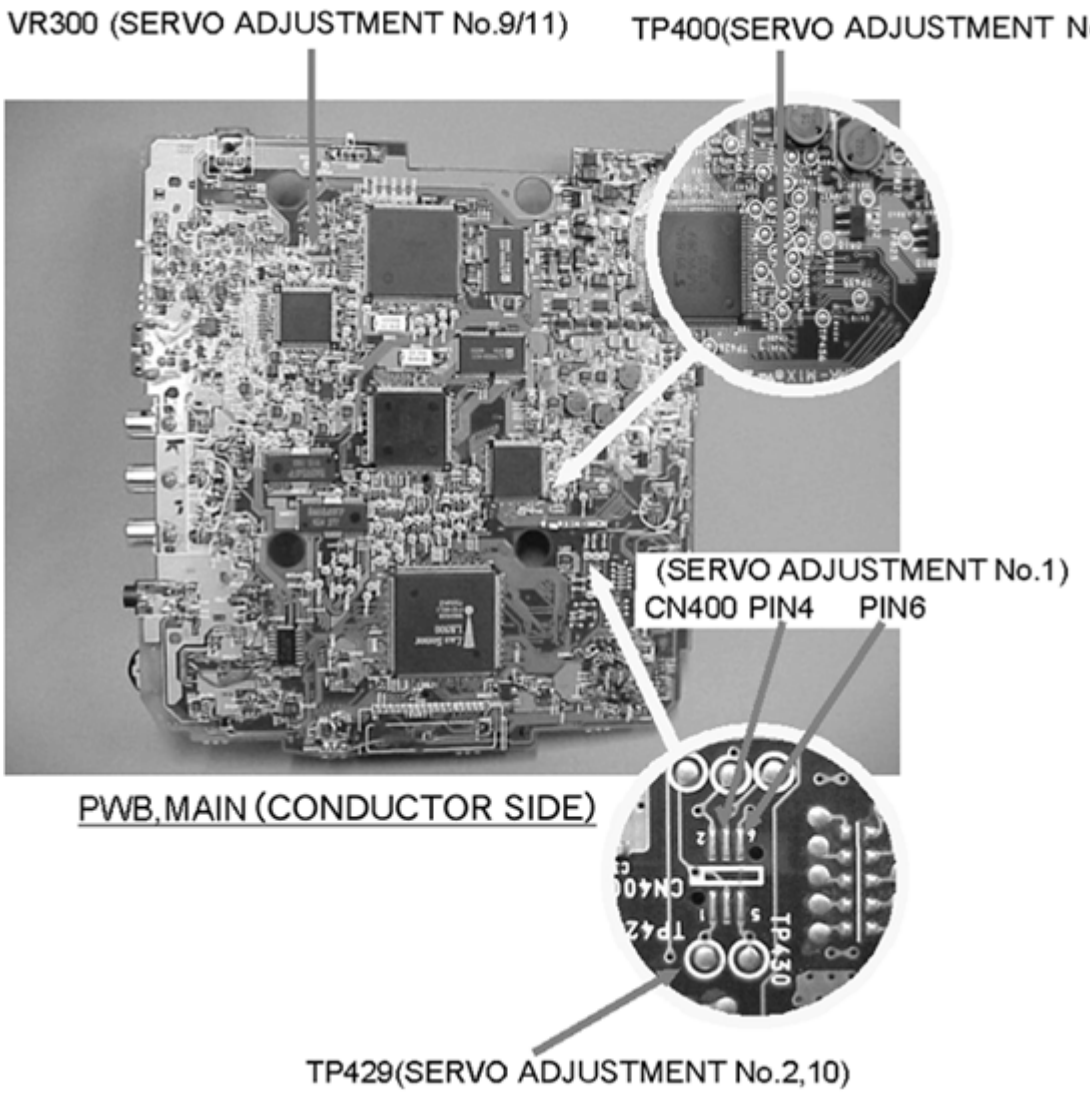
Fig-8

Major Components Location Guide





PWB,MAIN (COMPONENT SIDE)



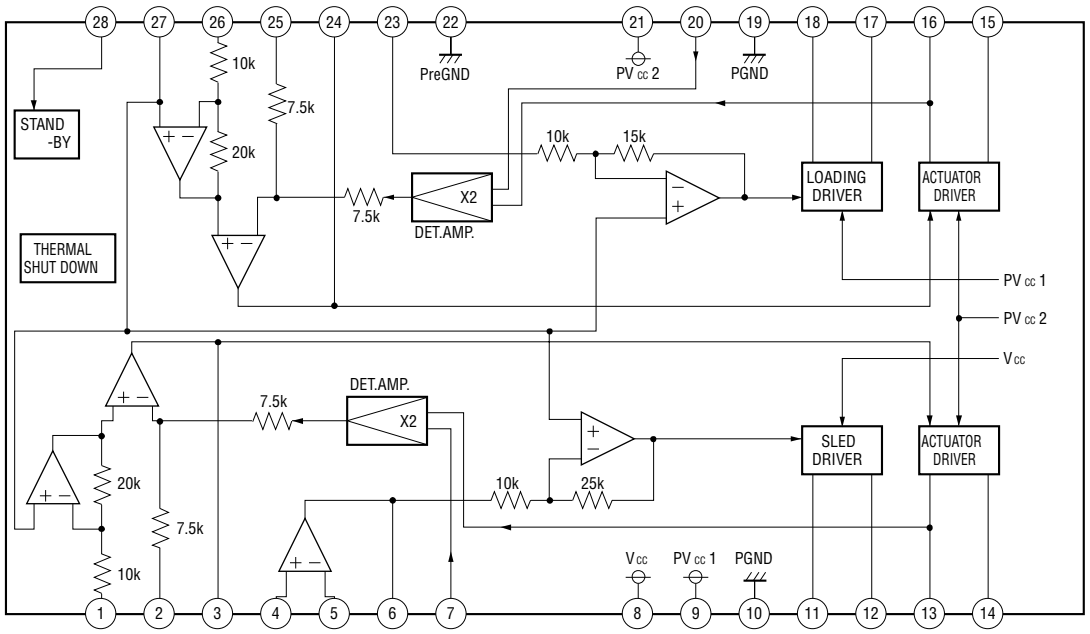
INITIALIZE MODE

To initialize the contents set on the SETUP display, do the following.
* The settings of BRIGHT and COLOR will not be initialized.

1. Turn on the power.
2. Press the keys of the remote controller in the following order:
   STOP → TITLE → RETURN → Q SURROUND
3. “RESET TO MANUFACTURE SETTING” appears on the screen.
4. The power is automatically turned off and the initialization ends

IC BLOCK DIAGRAM

IC, BA5954FP



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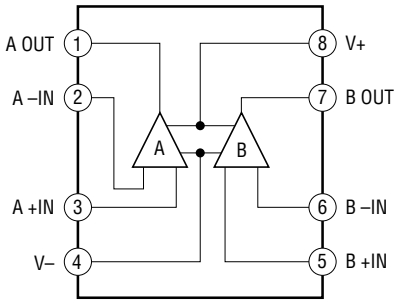

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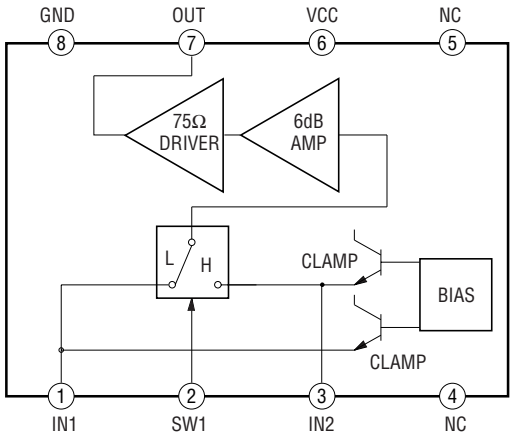

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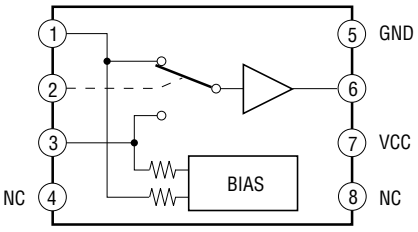

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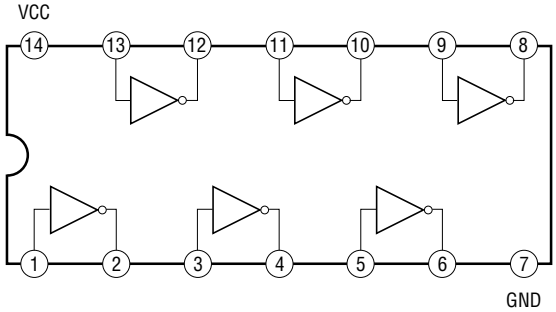

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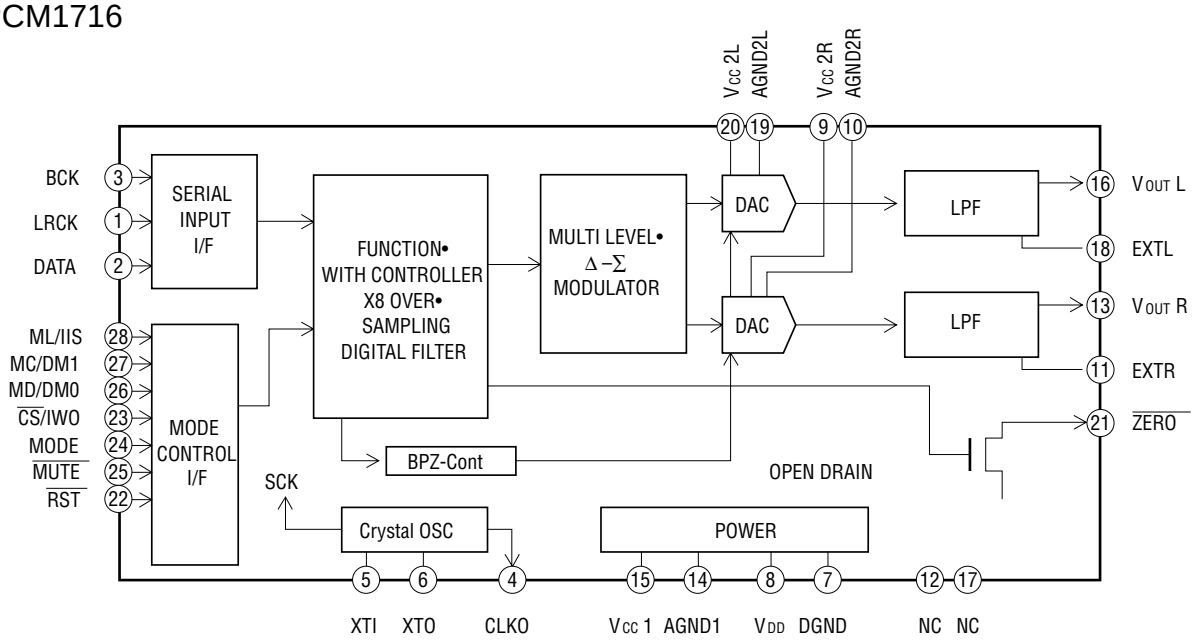

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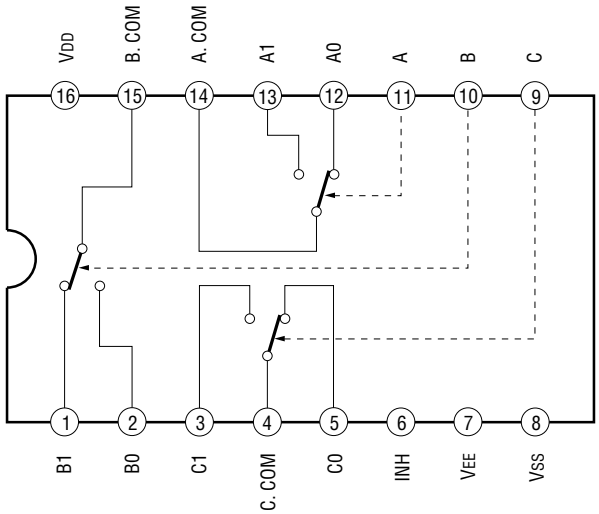

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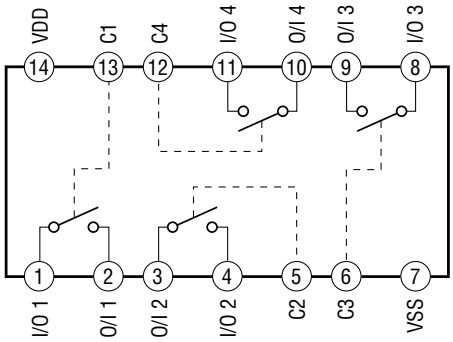

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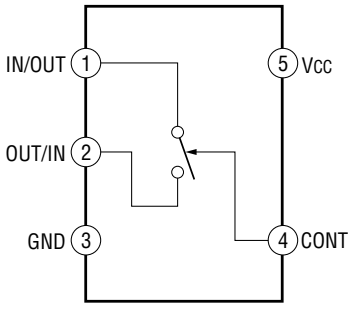

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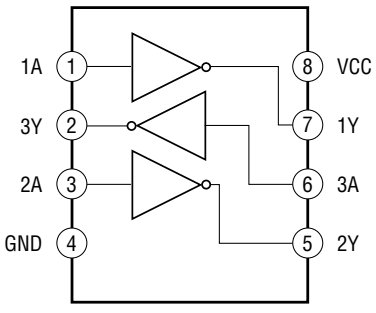

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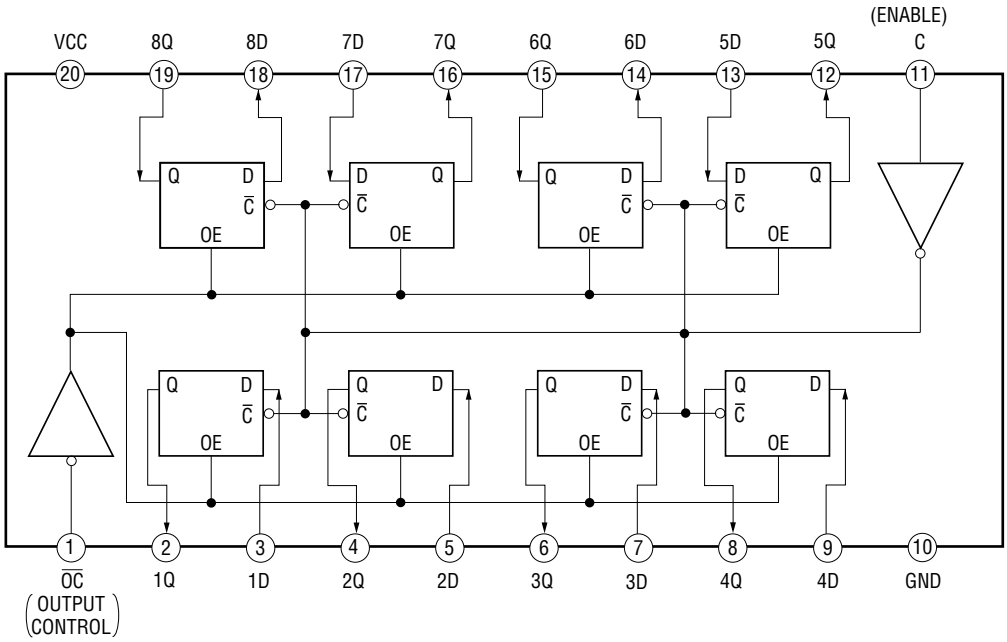

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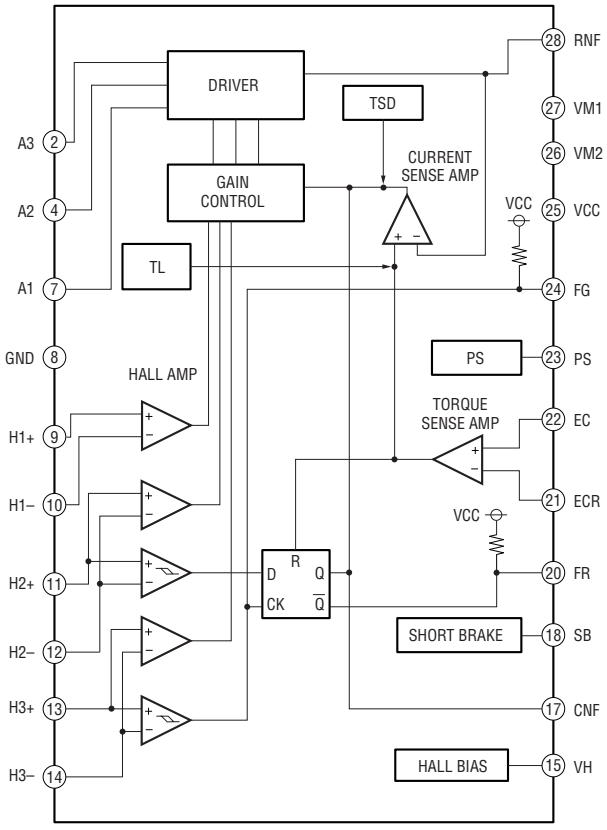

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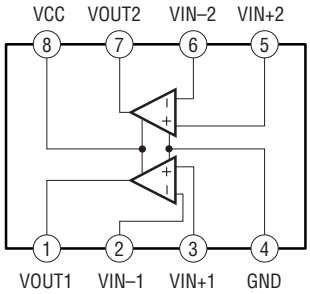

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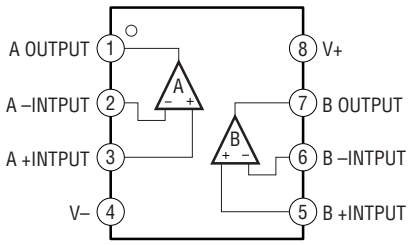

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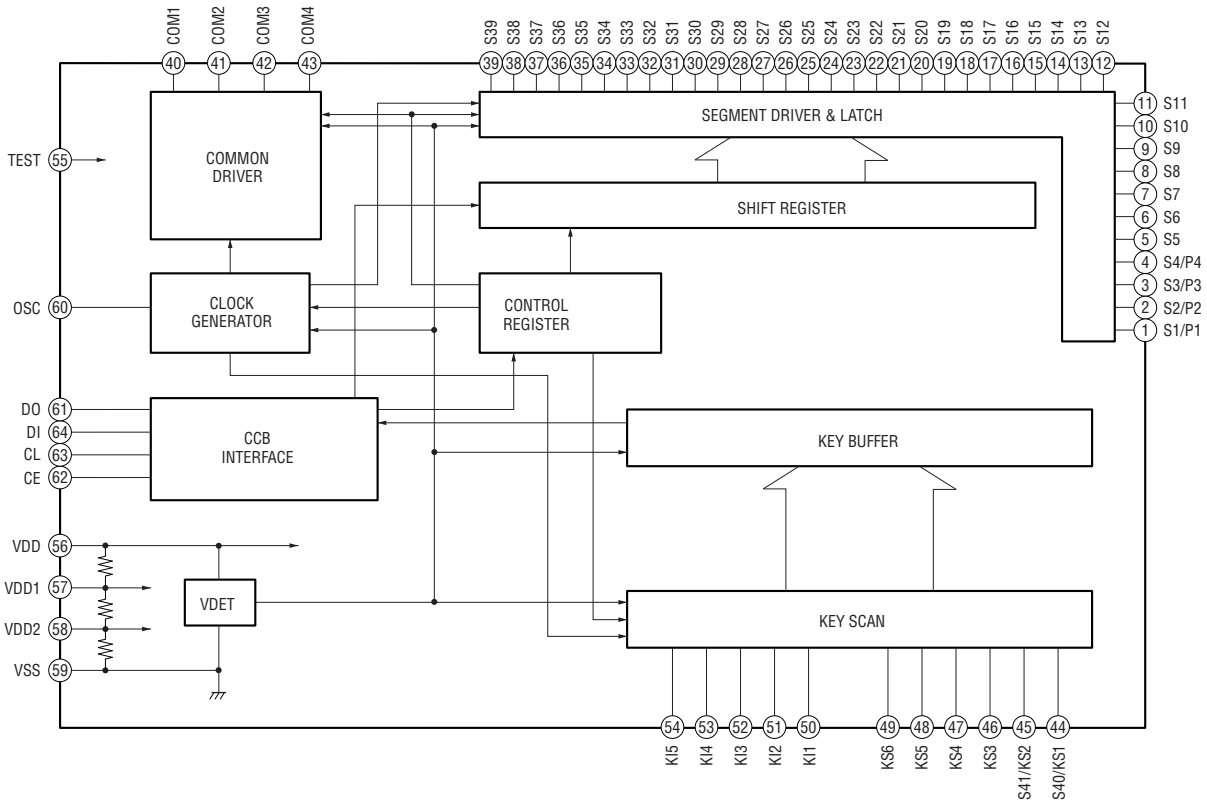
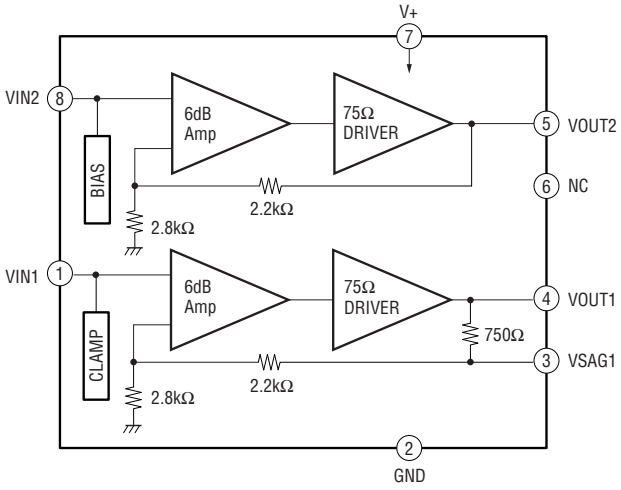
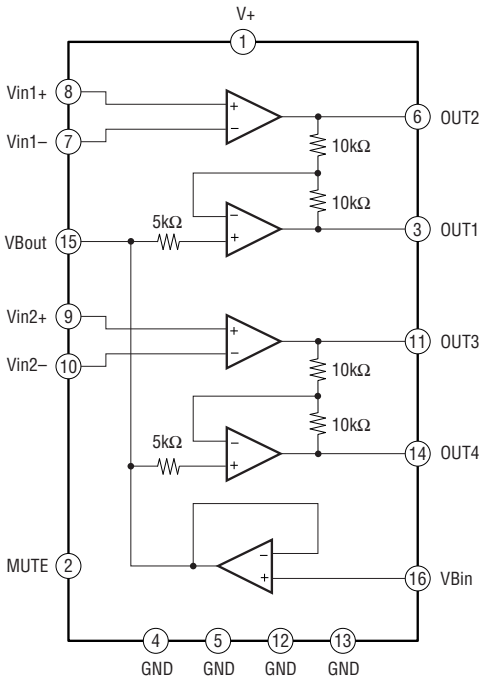


IC, NJM2268



IC, NJW1105



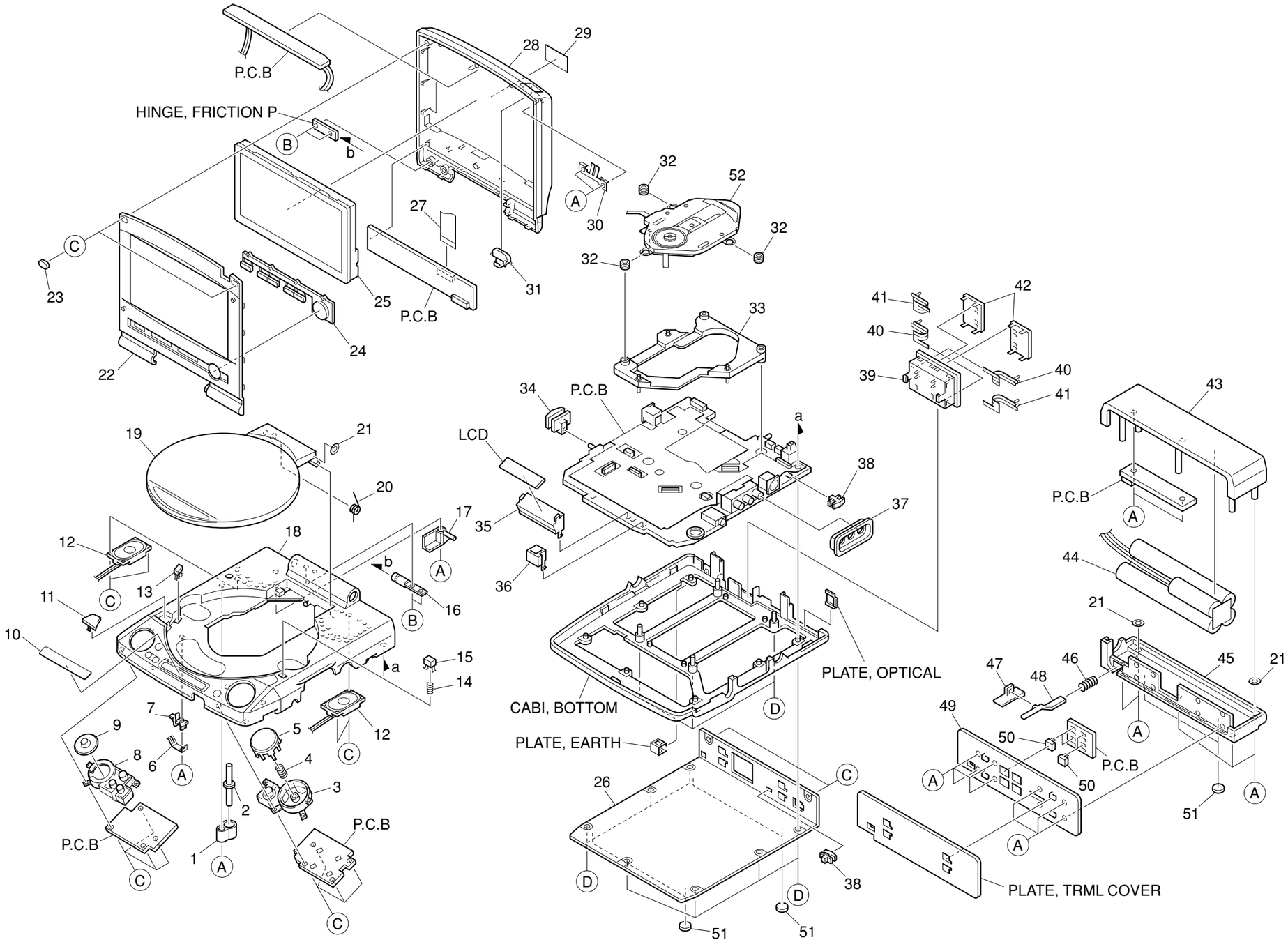
MECHANICAL PARTS LIST 1/1

If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-HU1-202-010		HLDR,MONITOR LV
2	8Z-HU1-016-010		BTN,DISC SW
3	8Z-HU1-019-010		KEY,STOP
4	8Z-HU1-215-010		SPR-C,CURSOR
5	8Z-HU1-008-010		KEY,PLAY
6	8Z-HU1-224-010		SPR-P,LID-JP
7	8Z-HU1-203-010		HINGE,OPEN DISC
8	8Z-HU1-018-110		KEY,4 IN 1
9	8Z-HU1-007-010		KNOB,LEVER CURSOR
10	8Z-HU1-038-110		PLATE,LCD
11	8Z-HU1-011-110		BTN,DISC OPEN
12	87-A91-604-010		SPKR ASSY,15.5 80HM1W056040
13	8Z-HU1-026-110		LEVER,MONITOR SW
14	8Z-HU1-244-010		SPR-C,OPEN-JP
15	8Z-HU1-046-010		COVER,OPEN DW1
16	8Z-HU1-227-210		HINGE,FRICTION
17	8Z-HU1-204-010		SHAFT,LID DISC
18	8Z-HU1-034-110		CABI,TOP ASSY
19	8Z-HU1-037-110		PLATE,DISC ASSY
20	8Z-HU1-241-210		SPR-T,DISC COVER
21	8Z-HU1-253-010		W-L,2.6-3.7-0.3
22	8Z-HU1-002-210		CABI,MONITOR B
23	8Z-HU1-029-110		FOOT,MONITOR
24	8Z-HU1-009-110		KEY,MONITOR
25	87-A91-535-010		LCD,LQ6BW506K-TFT
26	8Z-HU1-036-010		PLATE,BOTTOM-JP
27	8Z-HU1-611-010		FF-CABLE,24P 0.8 60MMTFT
28	8Z-HU1-001-210		CABI,MONITOR T
29	8Z-HU1-033-010		BADGE,DVD
30	8Z-HU1-225-010		SPR-P,MONITOR
31	8Z-HU1-010-110		KNOB,LEVER OPEN
32	8Z-HU1-221-110		DMPR,MECHA
33	8Z-HU1-222-010		HLDR,MECHA
34	8Z-HU1-014-210		KNOB,SL POWER
35	8Z-HU1-226-010		HLDR,LCD-JP
36	8Z-HU1-012-010		WINDOW,REMOTE
37	8Z-HU1-017-110		PANEL,RCA
38	8Z-HU1-013-110		KNOB,SL N/P
39	8Z-HU1-208-010		COVER, BAT PIN
40	8Z-HU1-233-010		TERMINAL,POWER1 ASSY
41	8Z-HU1-234-010		TERMINAL,POWER2 ASSY
42	8Z-HU1-209-010		HLDR,BAT PIN
43	8Z-HU1-020-110		CABI,BAT-T
44	87-B30-318-010		BAT,MHB-904
45	8Z-HU1-021-110		CABI,BAT-B
46	8Z-HU1-216-010		SPR-C,BAT LOCK
47	8Z-HU1-022-010		KNOB,SL BAT
48	8Z-HU1-230-010		JOINT,BATT-JP
49	8Z-HU1-207-010		PLATE,BAT JOINT
50	8Z-HU1-231-010		TERMINAL,BATT 4P
51	8Z-HU1-028-110		FOOT,DIA 10
52	M8-ZZK-H90-000		DV-21
A	87-067-868-010		V+1.7-4 HL BLK
B	87-251-071-110		SCREW, U+2.6-4
C	87-067-691-010		VTI+1.7-6 CR BLK HLO CK
D	87-067-911-010		V+1.7-10 BLK HL

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		


P.C.B
HINGE, FRICTION P
B
b
28
29
32
52
A
30
32
32
27
C
23
25
P.C.B
31
22
24
33
41
42
40
39
40
41
34
P.C.B
a
LCD
38
37
19
21
20
17
35
36
A
18
12
b
C
13
B
16
11
10
15
14
a
7
9
5
12
C
8
6
A
4
3
2
P.C.B
1
A
P.C.B
C
C
CABI, BOTTOM
PLATE, EARTH
D
PLATE, OPTICAL
26
C
D
D
38
51
51
43
P.C.B
A
44
21
47
48
46
45
21
49
50
P.C.B
50
A
A
A
51
PLATE, TRML COVER

ACCESSORIES/PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-HU1-902-010		IB,AHC (E/CK) -DW1<AHC<S>>
1	8Z-HU1-901-010		IB,AU (E/S/F) DW1<AU<S>>
2	8Z-HU1-621-010		RC UNIT,RC-ZVL01
⚠ 3	8Z-HU1-626-010		AC CORD SET ASSY,U BLK NI<AU<S>>
⚠ 3	87-A80-089-010		AC CORD SET,HC<AHC<S>>
⚠ 4	87-B30-329-010		AC ADAPTOR UNIT,AC-D912HC<AHC<S>>
⚠ 4	87-B30-313-010		AC ADAPTOR UNIT,AC-D912U<AU<S>>

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aiwa SERVICE

XD-DW1 AHR(S)

SERVICE MANUAL

DVD PLAYER BASIC DVD MECHANISM : DV21

• Replace this Service Manual with ”Revision Publishing” when it is issued.

aiwa

S/M Code No. 09-002-339-7T2

SIMPLE DATA

ELECTRICAL MAIN PARTS LIST - 1

NOTE: The characters in the suffix column indicate the part usage.

AHR(S) .....XX.....A.....

REF.NO		PARTS NO.	NO.	DESCRIPTION	SUFFIX
C	507	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	502	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	509	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	503	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	506	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	508	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	505	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	504	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	501	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	517	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	511	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	519	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	514	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	516	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	510	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	518	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	513	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	512	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	515	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	526	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	529	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	522	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	520	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	521	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	524	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	523	87-012-186-080		C-CAP,U 39P-50 CH	ABC
C	527	87-012-274-080		CHIP CAP,U 1000P-50B	ABC
C	528	87-012-286-080		CAP, U 0.01-25	ABC
C	525	87-A11-967-080		C-CAP,TN 10-16 M B F93	ABC
C	534	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	532	87-012-170-080		C-CAP,U 8P-50 CH	ABC
C	531	87-012-170-080		C-CAP,U 8P-50 CH	ABC
C	530	87-012-196-080		C-CAP,U 120P-50 CH	ABC
C	535	87-016-558-080		C-CAP,TN47-6.3F93B	ABC
C	539	87-016-669-080		C-CAP,S 0.1-25 K B	ABC
C	537	87-016-669-080		C-CAP,S 0.1-25 K B	ABC
C	538	87-016-669-080		C-CAP,S 0.1-25 K B	ABC
C	543	87-016-669-080		C-CAP,S 0.1-25 K B	ABC
C	542	87-016-669-080		C-CAP,S 0.1-25 K B	ABC
C	541	87-016-669-080		C-CAP,S 0.1-25 K B	ABC
C	540	87-016-669-080		C-CAP,S 0.1-25 K B	ABC
IC	508	87-017-506-080		IC,PST600 JMT	ABC
IC	507	87-017-825-010		IC,GP1F32T	ABC
IC	505	87-A21-505-040		C-IC,TC7WU04FU	ABC
IC	506	87-A21-508-010		IC,RPM6938	ABC
IC	501	87-A21-512-010		C-IC,LS500	ABC
IC	503	8Z-AV2-633-010		C-IC,MB81F161622B	ABC
IC	502	8Z-AV2-633-010		C-IC,MB81F161622B	ABC
IC	504	8Z-HU1-622-010		C-IC ASSY,MBM29LV800BA	ABC
Q	502	89-341-165-080		CHIP TRANSISTOR 2SC4116GR	ABC
X	501	87-A70-195-080		C-VIB,XTAL 27MHZ HC-49/U03C	ABC
C	707	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	704	87-012-278-080		C-CAP,U 2200P-50 B	ABC
C	703	87-012-278-080		C-CAP,U 2200P-50 B	ABC
C	706	87-012-279-080		C-CAP,U 2700P-50 B	ABC
C	705	87-012-279-080		C-CAP,U 2700P-50 B	ABC
C	709	87-012-335-080		C-CAP,U 270P-50 SL	ABC
C	708	87-016-289-080		C-CAP,TN 10-6.3 F93	ABC
C	701	87-016-289-080		C-CAP,TN 10-6.3 F93	ABC
C	702	87-016-289-080		C-CAP,TN 10-6.3 F93	ABC
C	716	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	715	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	711	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	714	87-012-186-080		C-CAP,U 39P-50 CH	ABC
C	713	87-012-186-080		C-CAP,U 39P-50 CH	ABC
C	719	87-012-274-080		CHIP CAP,U 1000P-50B	ABC
C	710	87-012-335-080		C-CAP,U 270P-50 SL	ABC
C	712	87-016-289-080		C-CAP,TN 10-6.3 F93	ABC
C	717	87-A11-967-080		C-CAP,TN 10-16 M B F93	ABC
C	718	87-A11-967-080		C-CAP,TN 10-16 M B F93	ABC
C	728	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	726	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	723	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	729	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	727	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	725	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	720	87-012-274-080		CHIP CAP,U 1000P-50B	ABC
C	724	87-016-558-080		C-CAP,TN47-6.3F93B	ABC
C	733	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	730	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	734	87-010-831-080		C-CAP,U,0.1-16F	ABC
C	738	87-012-282-080		CAP, U 4700P-50	ABC
C	737	87-012-282-080		CAP, U 4700P-50	ABC
C	736	87-012-285-080		C-CAP,U 8200P-50 B	ABC
C	735	87-012-285-080		C-CAP,U 8200P-50 B	ABC
C	739	87-012-336-080		CAP, CHIP SS 3300 SL	ABC
C	731	87-A11-967-080		C-CAP,TN 10-16 M B F93	ABC

C	732	87-A11-967-080	C-CAP,TN 10-16 M B F93		ABC
C	741	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	745	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	740	87-012-336-080	CAP, CHIP SS 3300 SL		ABC
C	746	87-016-286-080	C-CAP,TN 2.2-6.3 F93		ABC
C	742	87-016-289-080	C-CAP,TN 10-6.3 F93		ABC
C	747	87-A11-157-080	C-CAP,TN 1-16 M A F93		ABC
C	744	87-A11-241-080	C-CAP,TN 22-6.3 M F93 A		ABC
C	743	87-A11-946-080	C-CAP,TN 100-6.3 M F93 C		ABC
C	754	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	753	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	756	87-010-944-180	C-CAP,E 220-4 M MV		ABC
C	755	87-010-944-180	C-CAP,E 220-4 M MV		ABC
C	757	87-012-274-080	CHIP CAP,U 1000P-50B		ABC
C	758	87-012-274-080	CHIP CAP,U 1000P-50B		ABC
C	751	87-A10-047-080	C-CAP,U 1-10 Z F		ABC
C	752	87-A10-047-080	C-CAP,U 1-10 Z F		ABC
C	763	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	767	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	766	87-016-289-080	C-CAP,TN 10-6.3 F93		ABC
C	761	87-016-289-080	C-CAP,TN 10-6.3 F93		ABC
C	764	87-A10-047-080	C-CAP,U 1-10 Z F		ABC
C	765	87-A11-241-080	C-CAP,TN 22-6.3 M F93 A		ABC
C	762	87-A11-241-080	C-CAP,TN 22-6.3 M F93 A		ABC
CN	702	87-009-984-280	C-CONN,2P ZR RED		ABC
CN	701	87-009-984-280	C-CONN,2P ZR RED		ABC
D	701	87-001-165-080	DIODE,1SS300 (100MA)		ABC
D	704	87-017-799-080	C-DIODE,1SS352		ABC
D	703	87-020-027-080	CHIP-DIODE 1SS184		ABC
FB	710	87-A50-505-080	C-COIL, 4.7UH LQG21F		ABC
IC	703	87-001-792-080	IC,NJM2100M	*	ABC
IC	702	87-017-585-080	IC,NJM4580E	*	ABC
IC	704	87-017-832-080	IC,TC74HC4066AF		ABC
IC	705	87-020-784-080	IC,TC4053BF		ABC
IC	706	87-A21-077-040	C-IC,NJW1105M		ABC
IC	708	87-A21-085-040	C-IC,TA2120FN		ABC
IC	701	87-A21-510-040	C-IC,PCM1716		ABC
IC	707	87-A21-583-040	C-IC,TK11250BMCL		ABC
J	702	87-A61-194-010	JACK,DIA3.5 ST W/SW HSJ1493		ABC
J	701	87-A61-207-010	JACK,PIN 3P W/O SW YKC21-5765		ABC
Q	702	87-026-352-080	CHIP-TR,DTC144TU		ABC
Q	701	87-A30-396-040	C-TR,DTA144TUA		ABC
Q	703	89-333-266-080	CHIP TR,2SC3326B		ABC
Q	704	89-333-266-080	CHIP TR,2SC3326B		ABC
VR	701	87-A91-145-080	C-VR,RTRY 30KCX2 H RK14J12R		ABC
C	609	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	607	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	604	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	608	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	605	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	606	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	602	87-012-286-080	CAP, U 0.01-25		ABC
C	603	87-A11-157-080	C-CAP,TN 1-16 M A F93		ABC
C	601	87-A11-241-080	C-CAP,TN 22-6.3 M F93 A		ABC
C	610	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	616	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	615	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	612	87-012-172-080	CAPACITOR CHIP U 10P CH		ABC
C	613	87-012-178-080	C-CAP,U 18P-50 CH		ABC
C	611	87-012-178-080	C-CAP,U 18P-50 CH		ABC
C	617	87-016-431-080	C-CAP,E 220-4 5.5N		ABC
C	614	87-A11-022-080	C-CAP,E 4.7-35 M ZS 4.5L		ABC
C	618	87-A11-946-080	C-CAP,TN 100-6.3 M F93 C		ABC
C	622	87-012-172-080	CAPACITOR CHIP U 10P CH		ABC
C	623	87-012-178-080	C-CAP,U 18P-50 CH		ABC
C	621	87-012-178-080	C-CAP,U 18P-50 CH		ABC
C	624	87-A11-022-080	C-CAP,E 4.7-35 M ZS 4.5L		ABC
C	625	87-A11-022-080	C-CAP,E 4.7-35 M ZS 4.5L		ABC
C	626	87-A11-241-080	C-CAP,TN 22-6.3 M F93 A		ABC
C	627	87-A11-946-080	C-CAP,TN 100-6.3 M F93 C		ABC
C	636	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	634	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	632	87-012-172-080	CAPACITOR CHIP U 10P CH		ABC
C	633	87-012-178-080	C-CAP,U 18P-50 CH		ABC
C	631	87-012-178-080	C-CAP,U 18P-50 CH		ABC
C	635	87-012-286-080	CAP, U 0.01-25		ABC
C	641	87-010-831-080	C-CAP,U,0.1-16F		ABC
C	642	87-012-285-080	C-CAP,U 8200P-50 B		ABC
C	661	87-016-558-080	C-CAP,TN47-6.3F93B		ABC
C	671	87-016-558-080	C-CAP,TN47-6.3F93B		ABC
C	681	87-012-286-080	CAP, U 0.01-25		ABC
C	691	87-012-178-080	C-CAP,U 18P-50 CH		ABC
C	690	87-012-274-080	CHIP CAP,U 1000P-50B		ABC
C	693	87-012-286-080	CAP, U 0.01-25		ABC
IC	604	87-017-462-080	IC,NJM2268M		ABC
IC	603	87-A20-036-080	C-IC,NJM2233BM		ABC
IC	602	87-A21-507-040	C-IC,MM1226XF		ABC
IC	601	87-A21-509-010	C-IC,ADV7170KSU		ABC
IC	605	87-A21-583-040	C-IC,TK11250BMCL		ABC
J	601	87-A61-193-010	JACK,MD-S4100-90		ABC
L	611	87-005-813-080	C-COIL, 15UH J FLC32		ABC
L	621	87-005-813-080	C-COIL, 15UH J FLC32		ABC
L	631	87-005-813-080	C-COIL, 15UH J FLC32		ABC

ELECTRICAL MAIN PARTS LIST - 3

L	691	87-003-381-080	C-COIL,1608 33UH K MLF1608	ABC
Q	613	87-A30-396-040	C-TR,DTA144TUA	ABC
Q	611	89-110-372-080	TR,2SA1037(140MHZ 200MW)	ABC
Q	612	89-333-266-080	CHIP TR,2SC3326B	ABC
Q	621	89-110-372-080	TR,2SA1037(140MHZ 200MW)	ABC
Q	631	89-110-372-080	TR,2SA1037(140MHZ 200MW)	ABC
Q	644	87-026-352-080	CHIP-TR,DTC144TU	ABC
Q	643	87-A30-396-040	C-TR,DTA144TUA	ABC
Q	641	89-110-372-080	TR,2SA1037(140MHZ 200MW)	ABC
Q	642	89-324-122-080	TR,2SC2412K	ABC
Q	662	89-115-864-080	CHIP TRANSISTOR 2SA1586Y	ABC
Q	661	89-341-165-080	CHIP TRANSISTOR 2SC4116GR	ABC
Q	672	89-115-864-080	CHIP TRANSISTOR 2SA1586Y	ABC
Q	671	89-341-165-080	CHIP TRANSISTOR 2SC4116GR	ABC
Q	682	89-115-864-080	CHIP TRANSISTOR 2SA1586Y	ABC
Q	681	89-341-165-080	CHIP TRANSISTOR 2SC4116GR	ABC
C	206	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	205	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	201	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	200	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	208	87-012-286-080	CAP, U 0.01-25	ABC
C	203	87-012-286-080	CAP, U 0.01-25	ABC
C	209	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	207	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	202	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	204	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	218	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	219	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	214	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	210	87-012-274-080	CHIP CAP,U 1000P-50B	ABC
C	213	87-012-274-080	CHIP CAP,U 1000P-50B	ABC
C	215	87-012-286-080	CAP, U 0.01-25	ABC
C	211	87-012-286-080	CAP, U 0.01-25	ABC
C	216	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	217	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	212	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	224	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	227	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	220	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	223	87-012-172-080	CAPACITOR CHIP U 10P CH	ABC
C	222	87-012-274-080	CHIP CAP,U 1000P-50B	ABC
C	221	87-012-274-080	CHIP CAP,U 1000P-50B	ABC
C	229	87-012-282-080	CAP, U 4700P-50	ABC
C	228	87-012-282-080	CAP, U 4700P-50	ABC
C	225	87-012-286-080	CAP, U 0.01-25	ABC
C	226	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	232	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	230	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	231	87-012-274-080	CHIP CAP,U 1000P-50B	ABC
C	238	87-012-282-080	CAP, U 4700P-50	ABC
C	233	87-012-286-080	CAP, U 0.01-25	ABC
C	237	87-012-336-080	CAP, CHIP SS 3300 SL	ABC
C	236	87-012-336-080	CAP, CHIP SS 3300 SL	ABC
C	239	87-012-336-080	CAP, CHIP SS 3300 SL	ABC
C	234	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	240	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	247	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	244	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	246	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	245	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	241	87-012-180-080	C-CAP,U 22P-50 CH	ABC
C	243	87-012-286-080	CAP, U 0.01-25	ABC
C	242	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	250	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	251	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	252	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	253	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	254	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	255	87-A11-031-080	C-CAP,E 100-16 M WX	ABC
C	299	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	301	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	309	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	307	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	308	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	305	87-012-172-080	CAPACITOR CHIP U 10P CH	ABC
C	304	87-012-172-080	CAPACITOR CHIP U 10P CH	ABC
C	306	87-012-278-080	C-CAP,U 2200P-50 B	ABC
C	300	87-A10-257-080	C-CAP,TN 100-6.3 M	ABC
C	302	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	303	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	312	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	318	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	314	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	316	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	311	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	310	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	319	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	317	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	313	87-A10-257-080	C-CAP,TN 100-6.3 M	ABC
C	315	87-A10-257-080	C-CAP,TN 100-6.3 M	ABC
C	325	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	323	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	324	87-010-831-080	C-CAP,U,0.1-16F	ABC

C	320	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	321	87-012-197-080	C-CAP,U 150P-50 CH	ABC
C	322	87-012-197-080	C-CAP,U 150P-50 CH	ABC
C	328	87-012-280-080	CAP, U 3300P-50	ABC
C	329	87-012-282-080	CAP, U 4700P-50	ABC
C	327	87-012-286-080	CAP, U 0.01-25	ABC
C	326	87-012-286-080	CAP, U 0.01-25	ABC
C	338	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	336	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	337	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	339	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	332	87-012-195-080	C-CAP,U 100P-50CH	ABC
C	333	87-012-270-080	CAP, U 470P-50	ABC
C	335	87-012-275-080	C-CAP,U 1200P-50 B	ABC
C	334	87-012-277-080	C-CAP, U 1800P-50 B	ABC
C	330	87-012-284-080	CAP, U 6800P-50	ABC
C	331	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	347	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	346	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	348	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	344	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	349	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	345	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	340	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	341	87-012-336-080	CAP, CHIP SS 3300 SL	ABC
C	342	87-012-336-080	CAP, CHIP SS 3300 SL	ABC
C	343	87-A10-794-080	C-CAP,U 0.15-16 Z F	ABC
C	353	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	350	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	351	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	357	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	354	87-012-195-080	C-CAP,U 100P-50CH	ABC
C	355	87-012-286-080	CAP, U 0.01-25	ABC
C	352	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	358	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	359	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	356	87-A10-707-080	C-CAP,U 0.47U-16 F Z	ABC
C	360	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	362	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	363	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	361	87-012-335-080	C-CAP,U 270P-50 SL	ABC
C	372	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	375	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	373	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	371	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	374	87-A11-031-080	C-CAP,E 100-16 M WX	ABC
C	382	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	381	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	384	87-012-182-080	C-CAP,U 27P-50 CH	ABC
C	383	87-A10-257-080	C-CAP,TN 100-6.3 M	ABC
C	403	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	408	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	405	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	409	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	400	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	407	87-012-165-080	CAP 3P	ABC
C	406	87-012-165-080	CAP 3P	ABC
C	402	87-012-286-080	CAP, U 0.01-25	ABC
C	401	87-012-286-080	CAP, U 0.01-25	ABC
C	404	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	411	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	410	87-012-286-080	CAP, U 0.01-25	ABC
C	453	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	451	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	452	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	459	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	450	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	455	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	458	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	457	87-012-167-080	C-CAP,U 5P-50 CH	ABC
C	456	87-012-167-080	C-CAP,U 5P-50 CH	ABC
C	454	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
C	467	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	466	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	464	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	461	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	463	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	462	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	460	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	468	87-012-184-080	C-CAP,U 33P-50 CH	ABC
C	469	87-012-274-080	CHIP CAP,U 1000P-50B	ABC
C	465	87-A10-591-080	C-CAP,TN 47-6.3 M F95-BCASE	ABC
CN	200	87-A61-197-080	C-CONN,30P H 52893	ABC
CN	301	87-A61-198-080	C-CONN,14P V 52559	ABC
CN	300	87-A61-199-080	C-CONN,8P V 52559	ABC
D	401	87-017-799-080	C-DIODE,1SS352	ABC
FB	200	87-A50-551-080	C-COIL,S BLM21A601F	ABC
FB	201	87-A50-551-080	C-COIL,S BLM21A601F	ABC
FB	301	87-A50-551-080	C-COIL,S BLM21A601F	ABC
FB	300	87-A50-551-080	C-COIL,S BLM21A601F	ABC
FB	303	87-A50-551-080	C-COIL,S BLM21A601F	ABC
FB	302	87-A50-552-080	C-COIL,S BLM21B050S	ABC
FB	450	87-A50-552-080	C-COIL,S BLM21B050S	A.C

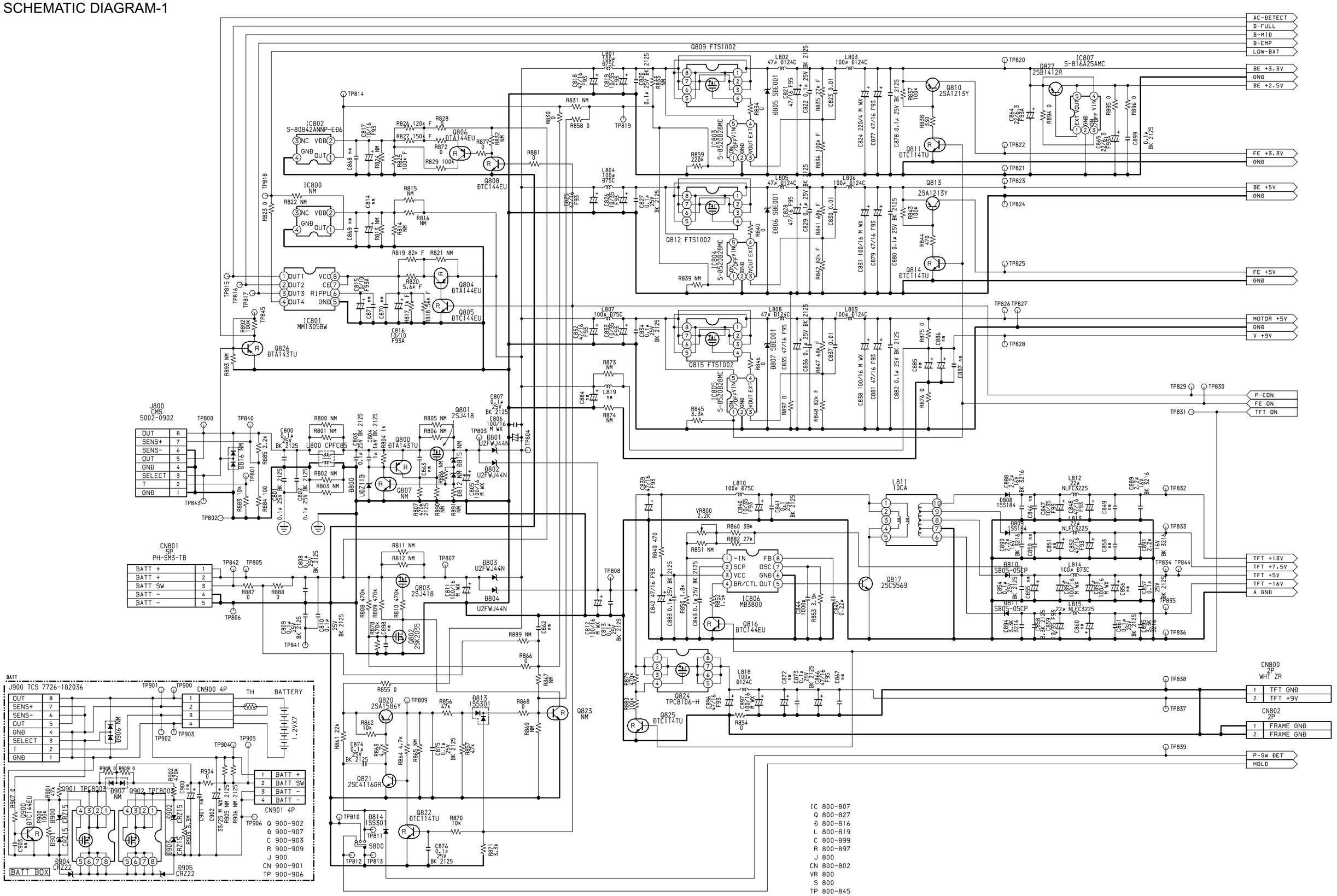
IC	201	87-070-190-040	IC,NJM2115V	ABC
IC	200	87-A21-492-010	C-IC,TA1293F	ABC
IC	206	87-A21-496-040	C-IC,LA6393M	ABC
IC	303	87-020-818-080	IC,TC4066BF	ABC
IC	302	87-A21-056-040	C-IC,TC7S66F	ABC
IC	300	87-A21-494-010	C-IC,TC9453F	ABC
IC	301	87-A21-514-030	C-IC,GLT42016-40TC	ABC
IC	304	87-A21-516-040	C-IC,BA5954FP	ABC
IC	305	87-A21-517-040	C-IC,BA6849FP	ABC
IC	401	87-001-604-080	IC,TC74HCU04F	ABC
IC	400	87-A21-495-010	C-IC,TMP95C265F	ABC
IC	402	87-A61-200-080	C-SOCKET,IC 4-44P 822275-1	ABC
IC	403	8Z-HU1-620-010	C-IC,AT49F1025-70JC	ABC
IC	452	87-002-379-080	IC,TC74HC373AF	ABC
IC	450	87-A21-493-010	C-IC,TC9469BF	ABC
IC	451	87-A21-515-030	C-IC,GLT44016-40TC	ABC
JR	451	87-A91-364-080	C-F-BEAD, BK1608HS601	ABC
JR	450	87-A91-364-080	C-F-BEAD, BK1608HS601	ABC
JR	453	87-A91-364-080	C-F-BEAD, BK1608HS601	ABC
JR	455	87-A91-364-080	C-F-BEAD, BK1608HS601	ABC
JR	456	87-A91-364-080	C-F-BEAD, BK1608HS601	ABC
JR	457	87-A91-364-080	C-F-BEAD, BK1608HS601	ABC
JR	452	87-A91-364-080	C-F-BEAD, BK1608HS601	ABC
JR	454	87-A91-364-080	C-F-BEAD, BK1608HS601	ABC
JR	458	87-A91-364-080	C-F-BEAD, BK1608HS601	ABC
JR	459	87-A91-364-080	C-F-BEAD, BK1608HS601	ABC
JR	462	87-A91-364-080	C-F-BEAD, BK1608HS601	ABC
JR	463	87-A91-364-080	C-F-BEAD, BK1608HS601	ABC
JR	465	87-A91-364-080	C-F-BEAD, BK1608HS601	ABC
JR	461	87-A91-364-080	C-F-BEAD, BK1608HS601	ABC
JR	460	87-A91-364-080	C-F-BEAD, BK1608HS601	ABC
JR	464	87-A91-364-080	C-F-BEAD, BK1608HS601	ABC
L	201	87-A50-553-080	C-COIL,S 2.2UH LQG21F2R2N	ABC
L	200	87-A50-553-080	C-COIL,S 2.2UH LQG21F2R2N	ABC
L	251	87-A50-387-080	C-COIL,22UHD73C-636CY	ABC
L	255	87-A50-387-080	C-COIL,22UHD73C-636CY	ABC
L	253	87-A50-387-080	C-COIL,22UHD73C-636CY	ABC
L	254	87-A50-387-080	C-COIL,22UHD73C-636CY	ABC
L	252	87-A50-387-080	C-COIL,22UHD73C-636CY	ABC
L	250	87-A50-387-080	C-COIL,22UHD73C-636CY	ABC
L	450	87-A50-495-080	C-COIL,S 2.2UH K LQG21N	ABC
Q	202	87-026-350-080	CHIP TRANSISTOR DTC114TU	ABC
Q	201	87-A30-377-040	C-TR,2SB815B7	ABC
Q	200	87-A30-377-040	C-TR,2SB815B7	ABC
VR	300	87-024-407-080	CHIP SFR 10K RH03A3A	ABC
X	300	87-030-321-080	C-VIB,XTAL 22.5792M	ABC
X	400	87-A70-246-080	C-VIB,XTAL 32MHZ HC-49/U03C	ABC
X	450	87-A70-250-080	C-VIB,XTAL 50MHZ FCX-02	ABC
C	808	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	800	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	809	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	807	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	805	87-A11-031-080	C-CAP,E 100-16 M WX	ABC
C	806	87-A11-031-080	C-CAP,E 100-16 M WX	ABC
C	804	87-A11-282-080	C-CAP,S 1-16 K B	ABC
C	810	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	813	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	815	87-A10-949-080	C-CAP,TN 10-10 M A	ABC
C	816	87-A10-949-080	C-CAP,TN 10-10 M A	ABC
C	811	87-A11-031-080	C-CAP,E 100-16 M WX	ABC
C	812	87-A11-031-080	C-CAP,E 100-16 M WX	ABC
C	819	87-A11-161-080	C-CAP,TN 10-35 M C F93	ABC
C	818	87-A11-161-080	C-CAP,TN 10-35 M C F93	ABC
C	817	87-A11-967-080	C-CAP,TN 10-16 M B F93	ABC
C	823	87-010-197-080	CAP, CHIP 0.01 DM	ABC
C	824	87-016-431-080	C-CAP,E 220-4 5.5N	ABC
C	822	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	829	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	827	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	820	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	826	87-A11-161-080	C-CAP,TN 10-35 M C F93	ABC
C	825	87-A11-161-080	C-CAP,TN 10-35 M C F93	ABC
C	821	87-A12-032-080	C-CAP,TN 47U-16 M F95 G	ABC
C	828	87-A12-032-080	C-CAP,TN 47U-16 M F95 G	ABC
C	837	87-010-197-080	CAP, CHIP 0.01 DM	ABC
C	830	87-010-197-080	CAP, CHIP 0.01 DM	ABC
C	836	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	834	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	831	87-A11-031-080	C-CAP,E 100-16 M WX	ABC
C	838	87-A11-031-080	C-CAP,E 100-16 M WX	ABC
C	833	87-A11-161-080	C-CAP,TN 10-35 M C F93	ABC
C	839	87-A11-161-080	C-CAP,TN 10-35 M C F93	ABC
C	832	87-A11-161-080	C-CAP,TN 10-35 M C F93	ABC
C	835	87-A12-032-080	C-CAP,TN 47U-16 M F95 G	ABC
C	844	87-010-178-080	CHIP CAP 1000P	ABC
C	841	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	843	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	840	87-A11-161-080	C-CAP,TN 10-35 M C F93	ABC
C	848	87-A11-161-080	C-CAP,TN 10-35 M C F93	ABC
C	847	87-A11-161-080	C-CAP,TN 10-35 M C F93	ABC
C	842	87-A11-162-080	C-CAP,TN 47-16 M C F93	ABC
C	845	87-A11-606-080	C-CAP,S 0.22-25 K B	ABC
C	854	87-016-669-080	C-CAP,S 0.1-25 K B	ABC

C	857	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	859	87-A11-161-080	C-CAP,TN 10-35 M C F93	ABC
C	852	87-A11-162-080	C-CAP,TN 47-16 M C F93	ABC
C	861	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	864	87-A11-241-080	C-CAP,TN 22-6.3 M F93 A	ABC
C	865	87-A11-241-080	C-CAP,TN 22-6.3 M F93 A	ABC
C	878	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	875	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	874	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	873	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	876	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	872	87-A11-161-080	C-CAP,TN 10-35 M C F93	ABC
C	877	87-A11-162-080	C-CAP,TN 47-16 M C F93	ABC
C	879	87-A11-162-080	C-CAP,TN 47-16 M C F93	ABC
C	883	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	882	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	880	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	881	87-A11-162-080	C-CAP,TN 47-16 M C F93	ABC
C	889	87-A12-021-080	C-CAP, 2.2-16 K B C3216	ABC
C	888	87-A12-021-080	C-CAP, 2.2-16 K B C3216	ABC
C	899	87-016-669-080	C-CAP,S 0.1-25 K B	ABC
C	893	87-A11-031-080	C-CAP,E 100-16 M WX	ABC
C	897	87-A11-031-080	C-CAP,E 100-16 M WX	ABC
C	892	87-A11-031-080	C-CAP,E 100-16 M WX	ABC
C	896	87-A11-161-080	C-CAP,TN 10-35 M C F93	ABC
C	891	87-A12-021-080	C-CAP, 2.2-16 K B C3216	ABC
C	890	87-A12-021-080	C-CAP, 2.2-16 K B C3216	ABC
CN	800	87-009-984-080	C-CONN,2PZR WHT	ABC
CN	802	87-009-984-280	C-CONN,2P ZR RED	ABC
CN	801	87-A60-942-080	C-CONN,5P V PH-SM3-TB	ABC
D	801	87-017-990-080	C-DIODE,U2FWJ44N	ABC
D	803	87-017-990-080	C-DIODE,U2FWJ44N	ABC
D	802	87-017-990-080	C-DIODE,U2FWJ44N	ABC
D	804	87-017-990-080	C-DIODE,U2FWJ44N	ABC
D	808	87-020-027-080	CHIP-DIODE 1SS184	ABC
D	809	87-020-027-080	CHIP-DIODE 1SS184	ABC
D	800	87-A40-676-040	C-ZENER,UDZ11B	ABC
D	807	87-A40-797-040	C-DIODE,SBE001	ABC
D	806	87-A40-797-040	C-DIODE,SBE001	ABC
D	805	87-A40-797-040	C-DIODE,SBE001	ABC
D	814	87-001-166-080	DIODE,1SS301	ABC
D	813	87-001-166-080	DIODE,1SS301	ABC
D	811	87-A40-412-040	C-DIODE,SB05-05CP	ABC
D	810	87-A40-412-040	C-DIODE,SB05-05CP	ABC
IC	802	87-A20-965-040	C-IC,S-80842ANNP-ED6	ABC
IC	803	87-A21-032-080	C-IC,S-8520B28MC	ABC
IC	804	87-A21-032-080	C-IC,S-8520B28MC	ABC
IC	805	87-A21-032-080	C-IC,S-8520B28MC	ABC
IC	806	87-A21-332-040	C-IC,MB3800PFV	ABC
IC	801	87-A21-480-040	C-IC,MM1305BWBE	ABC
IC	807	87-A21-549-080	C-IC,S-816A25AMC-BAA-T2	ABC
J	800	87-A61-216-010	JACK,CMS 5008-0902	ABC
L	801	87-A50-330-080	C-COIL,100UH-D75C	ABC
L	804	87-A50-330-080	C-COIL,100UH-D75C	ABC
L	807	87-A50-330-080	C-COIL,100UH-D75C	ABC
L	805	87-A50-545-080	C-COIL,47UH-D124C	ABC
L	802	87-A50-545-080	C-COIL,47UH-D124C	ABC
L	808	87-A50-545-080	C-COIL,47UH-D124C	ABC
L	803	87-A50-546-080	C-COIL,100UH-D124C	ABC
L	809	87-A50-546-080	C-COIL,100UH-D124C	ABC
L	806	87-A50-546-080	C-COIL,100UH-D124C	ABC
L	800	87-A50-554-080	C-COIL,CPFC85-WH07	ABC
L	815	87-A50-323-080	C-COIL, 22UH K NLFC322522	ABC
L	812	87-A50-323-080	C-COIL, 22UH K NLFC322522	ABC
L	813	87-A50-323-080	C-COIL, 22UH K NLFC322522	ABC
L	810	87-A50-330-080	C-COIL,100UH-D75C	ABC
L	814	87-A50-395-080	C-COIL,100UHD73C-636CY	ABC
L	811	87-A50-544-080	C-COIL,10CA-TFT	ABC
L	818	87-A50-546-080	C-COIL,100UH-D124C	ABC
Q	804	87-026-327-080	C-TR,DTA144EU	ABC
Q	806	87-026-327-080	C-TR,DTA144EU	ABC
Q	800	87-026-334-080	CHIP TRANSISTOR DTA143TU	ABC
Q	805	87-026-342-080	CHIP-TR,DTC144EU	ABC
Q	808	87-026-342-080	CHIP-TR,DTC144EU	ABC
Q	802	87-A30-033-080	C-FET,2SK2035	ABC
Q	803	87-A30-201-040	C-FET,2SJ418	ABC
Q	801	87-A30-201-040	C-FET,2SJ418	ABC
Q	809	87-A30-382-040	C-FET,FTS1002	ABC
Q	816	87-026-342-080	CHIP-TR,DTC144EU	ABC
Q	811	87-026-350-080	CHIP TRANSISTOR DTC114TU	ABC
Q	814	87-026-350-080	CHIP TRANSISTOR DTC114TU	ABC
Q	817	87-A30-381-040	C-TR,2SC5569	ABC
Q	815	87-A30-382-040	C-FET,FTS1002	ABC
Q	812	87-A30-382-040	C-FET,FTS1002	ABC
Q	813	89-112-134-080	TR,2SA1213Y (1W)	ABC
Q	810	89-112-134-080	TR,2SA1213Y (1W)	ABC
Q	826	87-026-334-080	CHIP TRANSISTOR DTA143TU	ABC
Q	822	87-026-350-080	CHIP TRANSISTOR DTC114TU	ABC
Q	825	87-026-350-080	CHIP TRANSISTOR DTC114TU	ABC
Q	824	87-A30-384-040	C-FET,TPC8106-H	ABC
Q	820	89-115-864-080	CHIP TRANSISTOR 2SA1586Y	ABC
Q	827	89-214-123-080	TR,2SB1412 R	ABC
Q	821	89-341-165-080	CHIP TRANSISTOR 2SC4116GR	ABC

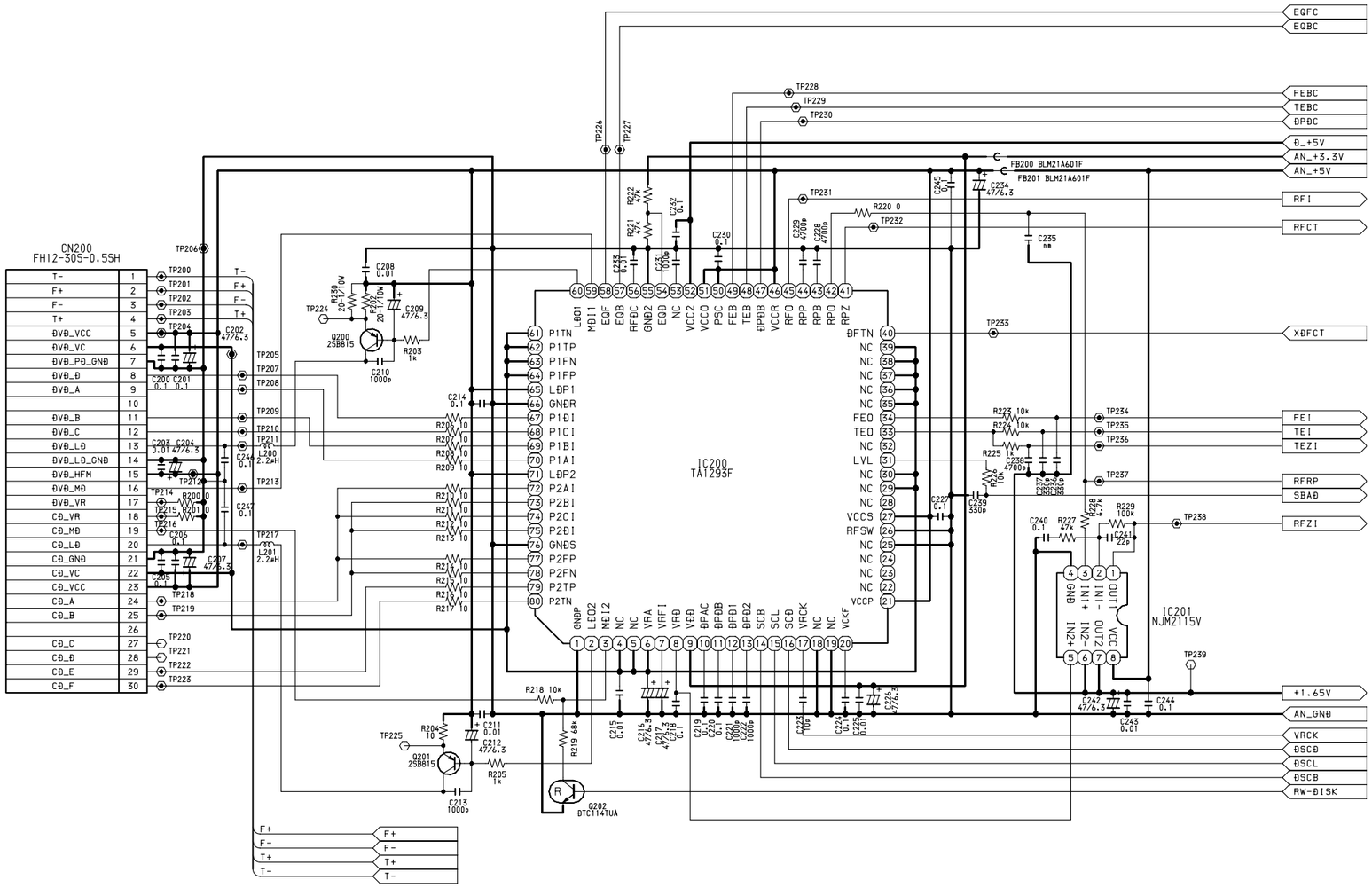
R	817	87-022-215-080	CHIP RESISTOR U 1K-1/16W F	ABC
R	818	87-022-257-080	C-RES U 56K-F	ABC
R	819	87-022-285-080	C-RES U82K-1/16WF	ABC
R	820	87-022-233-080	C-RES,U 5.6K-1/16W F	ABC
R	825	87-022-286-080	C-RES U 100K-1/16WF	ABC
R	826	87-022-287-080	C-RES,U 120K-1/16W F	ABC
R	827	87-022-288-080	C-RES,U 150K-1/16WF	ABC
R	835	87-022-249-080	C-RES U27K 1/16WF	ABC
R	836	87-022-286-080	C-RES U 100K-1/16WF	ABC
R	847	87-022-284-080	C-RES,U 68K 1-16W F	ABC
R	841	87-022-284-080	C-RES,U 68K 1-16W F	ABC
R	842	87-022-285-080	C-RES U82K-1/16WF	ABC
R	848	87-022-285-080	C-RES U82K-1/16WF	ABC
S	800	87-A91-601-080	C-SW,SL 1-1-3 SSSS7A3NCB	ABC
VR	800	87-024-403-080	CHIP SFR 2.2K RH03A3A	ABC
C	553	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	554	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	552	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	555	87-012-272-080	C-CAP,U 680P-50 B	ABC
C	551	87-016-558-080	C-CAP,TN47-6.3F93B	ABC
CN	552	87-A61-182-080	C-CONN,14P V WHT BM14B-SRSS-TB	ABC
CN	551	87-A61-183-080	C-CONN,9P V WHT BM09B-SRSS-TB	ABC
CN	571	87-A61-183-080	C-CONN,9P V WHT BM09B-SRSS-TB	ABC
CN	572	87-A61-184-080	C-CONN,7P H WHT SM07B-SRSS-TB	ABC
CN	581	87-A61-184-080	C-CONN,7P H WHT SM07B-SRSS-TB	ABC
D	559	87-017-975-080	C-DIODE,HN1D01FU	ABC
D	558	87-017-975-080	C-DIODE,HN1D01FU	ABC
D	556	87-017-975-080	C-DIODE,HN1D01FU	ABC
D	557	87-017-975-080	C-DIODE,HN1D01FU	ABC
D	554	87-020-027-080	CHIP-DIODE 1SS184	ABC
D	551	87-020-027-080	CHIP-DIODE 1SS184	ABC
D	552	87-020-027-080	CHIP-DIODE 1SS184	ABC
D	553	87-020-027-080	CHIP-DIODE 1SS184	ABC
D	555	87-020-027-080	CHIP-DIODE 1SS184	ABC
D	572	87-020-331-080	CHIP-DIODE,DAN202K	ABC
D	571	87-020-331-080	CHIP-DIODE,DAN202K	ABC
D	582	87-020-331-080	CHIP-DIODE,DAN202K	ABC
D	581	87-020-331-080	CHIP-DIODE,DAN202K	ABC
D	583	87-020-331-080	CHIP-DIODE,DAN202K	ABC
IC	551	88-KT1-608-010	C-IC,LC75854W	ABC
LCD	551	8Z-HU1-607-010	LCD,ZHU-1	ABC
Q	551	87-026-342-080	CHIP-TR,DTC144EU	ABC
Q	556	87-A30-396-040	C-TR,DTA144TUA	ABC
Q	557	87-A30-396-040	C-TR,DTA144TUA	ABC
Q	552	87-A30-396-040	C-TR,DTA144TUA	ABC
Q	553	87-A30-396-040	C-TR,DTA144TUA	ABC
Q	555	87-A30-396-040	C-TR,DTA144TUA	ABC
Q	558	87-A30-396-040	C-TR,DTA144TUA	ABC
Q	559	87-A30-396-040	C-TR,DTA144TUA	ABC
Q	554	87-A30-396-040	C-TR,DTA144TUA	ABC
Q	565	87-A30-396-040	C-TR,DTA144TUA	ABC
Q	560	87-A30-396-040	C-TR,DTA144TUA	ABC
Q	564	87-A30-396-040	C-TR,DTA144TUA	ABC
Q	562	87-A30-396-040	C-TR,DTA144TUA	ABC
Q	561	87-A30-396-040	C-TR,DTA144TUA	ABC
Q	563	87-A30-396-040	C-TR,DTA144TUA	ABC
S	555	87-A91-602-010	SW,SL 1-1-2 SSSS912N4C2	ABC
S	554	87-A91-602-010	SW,SL 1-1-2 SSSS912N4C2	ABC
S	553	87-A91-609-080	C-SW,MICRO SPPB53V	ABC
S	551	87-A91-609-080	C-SW,MICRO SPPB53V	ABC
S	572	87-A91-486-080	C-SW,TACT SKQYPA	ABC
S	574	87-A91-486-080	C-SW,TACT SKQYPA	ABC
S	573	87-A91-486-080	C-SW,TACT SKQYPA	ABC
S	571	87-A91-603-080	C-SW,TACT SKQUDB	ABC
S	581	87-A91-486-080	C-SW,TACT SKQYPA	ABC
S	584	87-A91-486-080	C-SW,TACT SKQYPA	ABC
S	583	87-A91-486-080	C-SW,TACT SKQYPA	ABC
S	585	87-A91-486-080	C-SW,TACT SKQYPA	ABC
S	582	87-A91-486-080	C-SW,TACT SKQYPA	ABC
C	102	87-A10-249-080	C-CAP,U 1-10 ZF	ABC
C	101	87-A10-249-080	C-CAP,U 1-10 ZF	ABC
C	109	87-A10-249-080	C-CAP,U 1-10 ZF	ABC
C	106	87-A10-249-080	C-CAP,U 1-10 ZF	ABC
C	105	87-A10-249-080	C-CAP,U 1-10 ZF	ABC
C	103	87-A10-249-080	C-CAP,U 1-10 ZF	ABC
C	108	87-A10-249-080	C-CAP,U 1-10 ZF	ABC
C	107	87-A10-249-080	C-CAP,U 1-10 ZF	ABC
C	104	87-A10-249-080	C-CAP,U 1-10 ZF	ABC
C	114	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	113	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	115	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	111	87-012-197-080	C-CAP,U 150P-50 CH	ABC
C	118	87-012-284-080	CAP, U 6800P-50	ABC
C	117	87-012-286-080	CAP, U 0.01-25	ABC
C	119	87-016-286-080	C-CAP,TN 2.2-6.3 F93	ABC
C	116	87-A10-006-080	C-CAP,TN 47-10 MC F9	ABC
C	110	87-A10-249-080	C-CAP,U 1-10 ZF	ABC
C	112	87-A10-249-080	C-CAP,U 1-10 ZF	ABC
C	120	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	124	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	128	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	127	87-012-193-080	C-CAP,U 82P-50 CH	ABC
C	121	87-012-272-080	C-CAP,U 680P-50 B	ABC

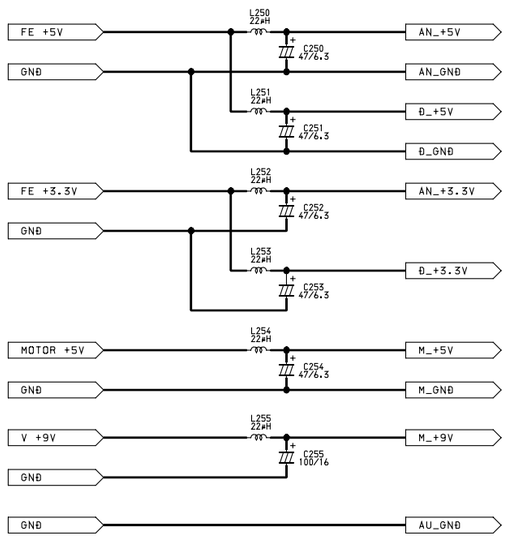
C	126	87-012-286-080	CAP, U 0.01-25	ABC
C	129	87-A10-025-080	C-CAP,U 0.22-16Z F	ABC
C	125	87-A10-504-080	C-CAP,U 0.047-16 K B	ABC
C	123	87-A11-792-080	C-CAP,TN 33-4 M F93 A	ABC
C	122	87-A11-792-080	C-CAP,TN 33-4 M F93 A	ABC
C	131	87-010-504-080	CAP, CHIP TANTALUM 0.47-25	ABC
C	134	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	138	87-012-170-080	C-CAP,U 8P-50 CH	ABC
C	137	87-012-170-080	C-CAP,U 8P-50 CH	ABC
C	130	87-012-286-080	CAP, U 0.01-25	ABC
C	133	87-A10-249-080	C-CAP,U 1-10 ZF	ABC
C	132	87-A10-249-080	C-CAP,U 1-10 ZF	ABC
C	136	87-A10-249-080	C-CAP,U 1-10 ZF	ABC
C	139	87-A10-249-080	C-CAP,U 1-10 ZF	ABC
C	135	87-A11-162-080	C-CAP,TN 47-16 M C F93	ABC
C	143	87-010-759-080	C-CAP,U, 0.1-25F	ABC
C	144	87-010-759-080	C-CAP,U, 0.1-25F	ABC
C	140	87-012-286-080	CAP, U 0.01-25	ABC
C	142	87-012-286-080	CAP, U 0.01-25	ABC
C	141	87-A10-949-080	C-CAP,TN 10-10 M A	ABC
C	148	87-A11-030-080	C-CAP,E 10-35 M ZS 4.5L	ABC
C	149	87-A11-030-080	C-CAP,E 10-35 M ZS 4.5L	ABC
C	145	87-A11-967-080	C-CAP,TN 10-16 M B F93	ABC
C	147	87-A11-967-080	C-CAP,TN 10-16 M B F93	ABC
C	150	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	152	87-010-831-080	C-CAP,U,0.1-16F	ABC
C	151	87-A10-249-080	C-CAP,U 1-10 ZF	ABC
C	181	87-A11-032-080	C-CAP,E 220-10	ABC
C	180	87-A11-032-080	C-CAP,E 220-10	ABC
CN	101	87-A61-181-080	C-CONN,14P H WHT SM14B-SRSS-TB	ABC
CN	102	87-A61-185-080	C-CONN,24P H CFP1624-0101	ABC
IC	103	87-002-272-080	IC,TC4052BF	ABC
IC	104	87-A20-140-040	C-IC,NJM3414V	ABC
IC	102	87-A21-074-040	C-IC,HC4066PW	ABC
IC	105	87-A21-497-040	C-IC,DS1669S-10	ABC
IC	106	87-A21-497-040	C-IC,DS1669S-10	ABC
IC	101	87-A21-498-010	C-IC,IR3Y29BM	ABC
L	103	87-005-814-080	C-COIL, 18UH J FLC32	ABC
L	102	87-005-819-080	C-COIL, 47UH J FLC32	ABC
L	101	87-005-819-080	C-COIL, 47UH J FLC32	ABC
LPF	101	88-HV1-643-080	C-FLTR,P613BG 0304GW	ABC
LPF	103	88-HV1-644-080	C-FLTR,4FS 8781(PAL)	ABC
LPF	102	88-HV1-645-080	C-FLTR,4FS 8782(NTSC)	ABC
Q	103	87-026-342-080	CHIP-TR,DTC144EU	ABC
Q	101	87-026-342-080	CHIP-TR,DTC144EU	ABC
Q	104	87-026-342-080	CHIP-TR,DTC144EU	ABC
Q	102	87-A30-143-080	C-TR,2SA1576A	ABC
R	123	87-022-245-080	C-RES U 18K-1/16WF	ABC
S	101	87-A91-338-080	C-SW,TACT SKQYAB	ABC
S	105	87-A91-338-080	C-SW,TACT SKQYAB	ABC
S	106	87-A91-338-080	C-SW,TACT SKQYAB	ABC
S	103	87-A91-338-080	C-SW,TACT SKQYAB	ABC
S	102	87-A91-338-080	C-SW,TACT SKQYAB	ABC
S	104	87-A91-338-080	C-SW,TACT SKQYAB	ABC
SFR	109	87-024-405-080	C-SFR,4.7K RHO3A3A	ABC
SFR	107	87-024-411-080	C-SFR,47K RHO3A3A	ABC
SFR	104	87-024-411-080	C-SFR,47K RHO3A3A	ABC
SFR	103	87-024-411-080	C-SFR,47K RHO3A3A	ABC
SFR	102	87-024-411-080	C-SFR,47K RHO3A3A	ABC
SFR	108	87-024-411-080	C-SFR,47K RHO3A3A	ABC
SFR	106	87-024-411-080	C-SFR,47K RHO3A3A	ABC
SFR	101	87-024-411-080	C-SFR,47K RHO3A3A	ABC
SFR	105	87-024-411-080	C-SFR,47K RHO3A3A	ABC
X	101	87-A70-161-080	C-VIB,XTAL 3.579545MHZ	ABC
X	102	87-A70-162-080	C-VIB,XTAL 4.433619MHZ	ABC
C	902	87-016-425-080	C-CAP,E 33-25 5.5N	ABC
CN	900	87-049-469-010	CONN,4P V	ABC
CN	901	87-049-796-010	CONN,4P EH V BLK	ABC
D	905	87-A40-812-040	C-DIODE,CRZ22	ABC
D	904	87-A40-812-040	C-DIODE,CRZ22	ABC
J	900	87-A61-217-010	JACK,TCS7726-182036	ABC
Q	900	87-026-342-080	CHIP-TR,DTC144EU	ABC
Q	901	87-A30-380-040	C-FET,TPC8003	ABC
Q	902	87-A30-380-040	C-FET,TPC8003	ABC

SCHEMATIC DIAGRAM-1

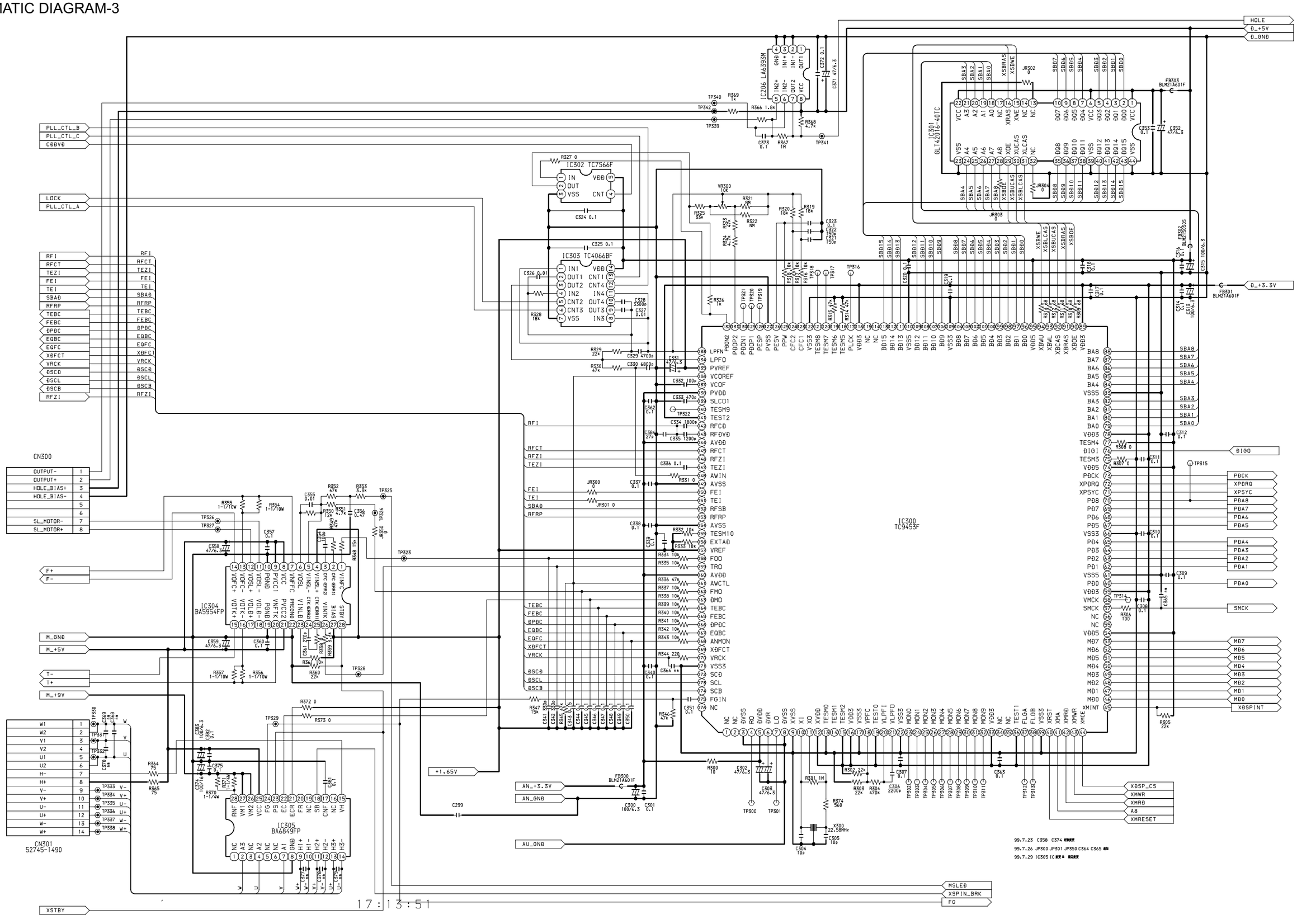


SCHEMATIC DIAGRAM-2





SCHEMATIC DIAGRAM-3



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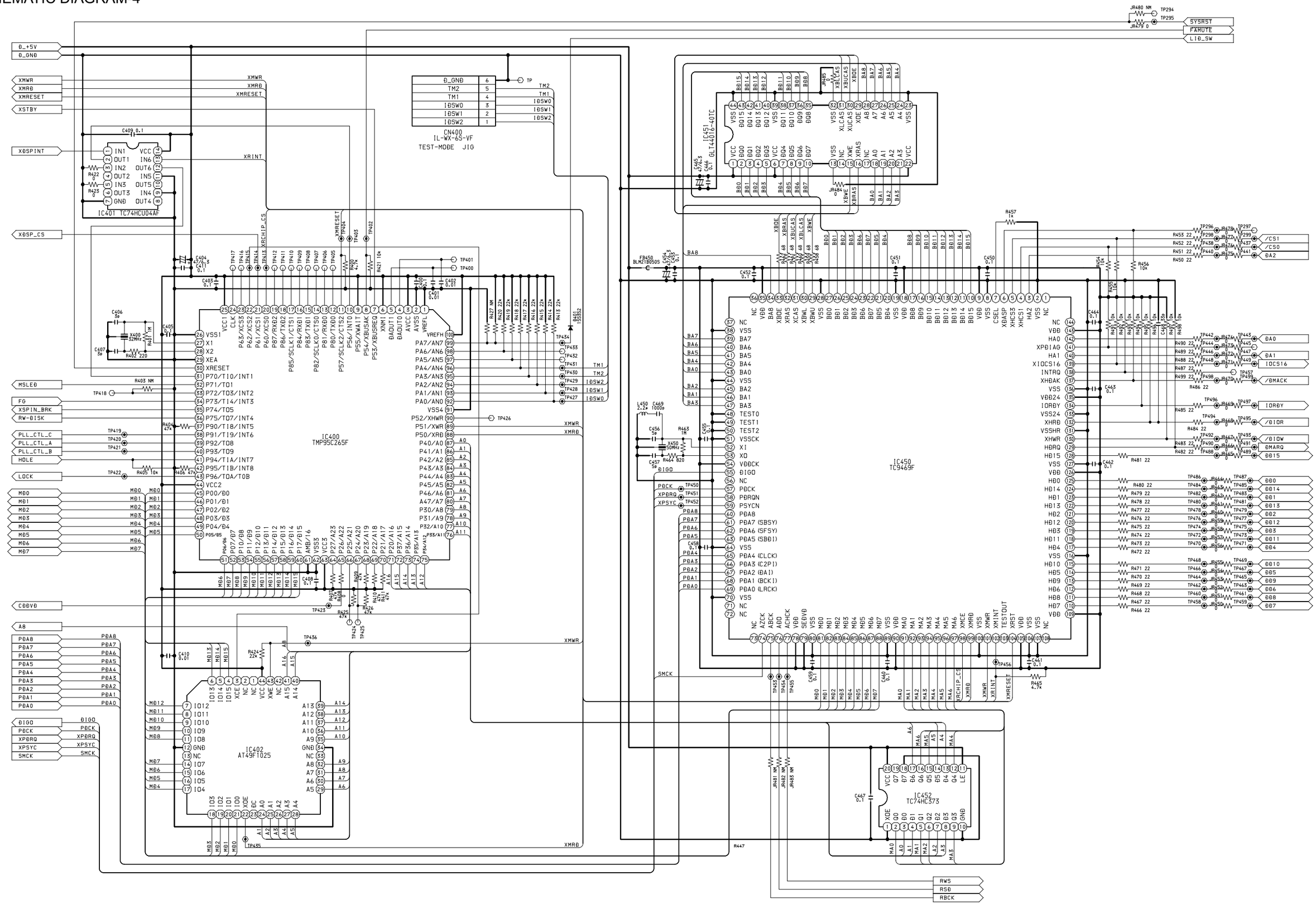
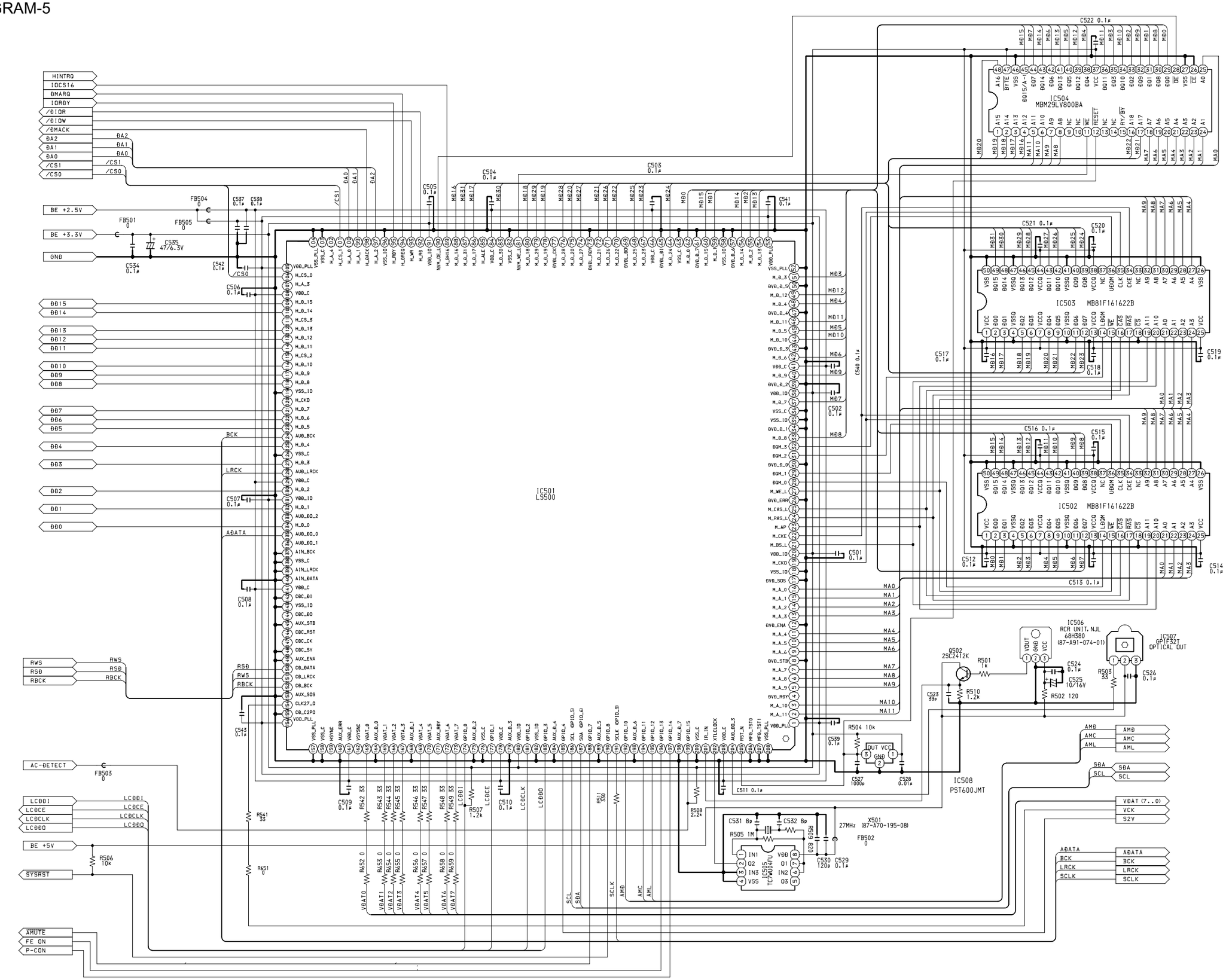
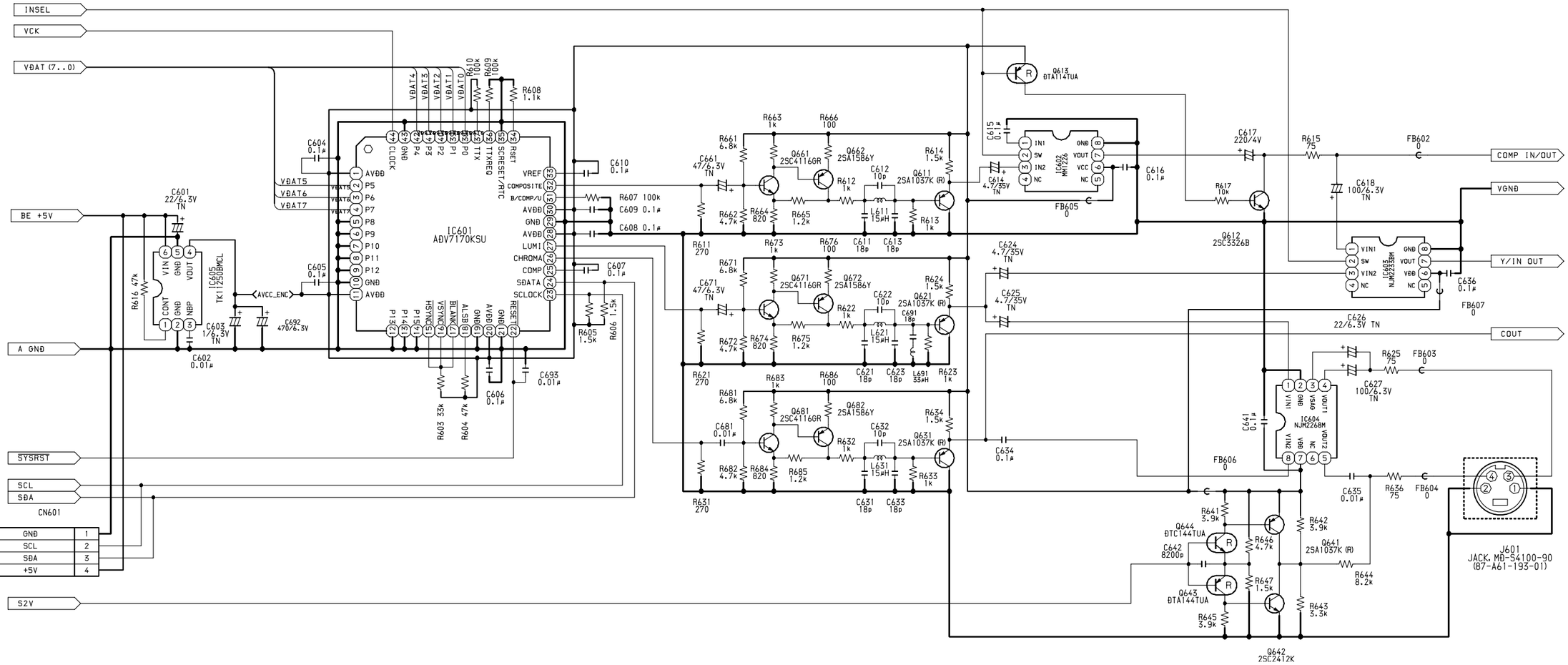


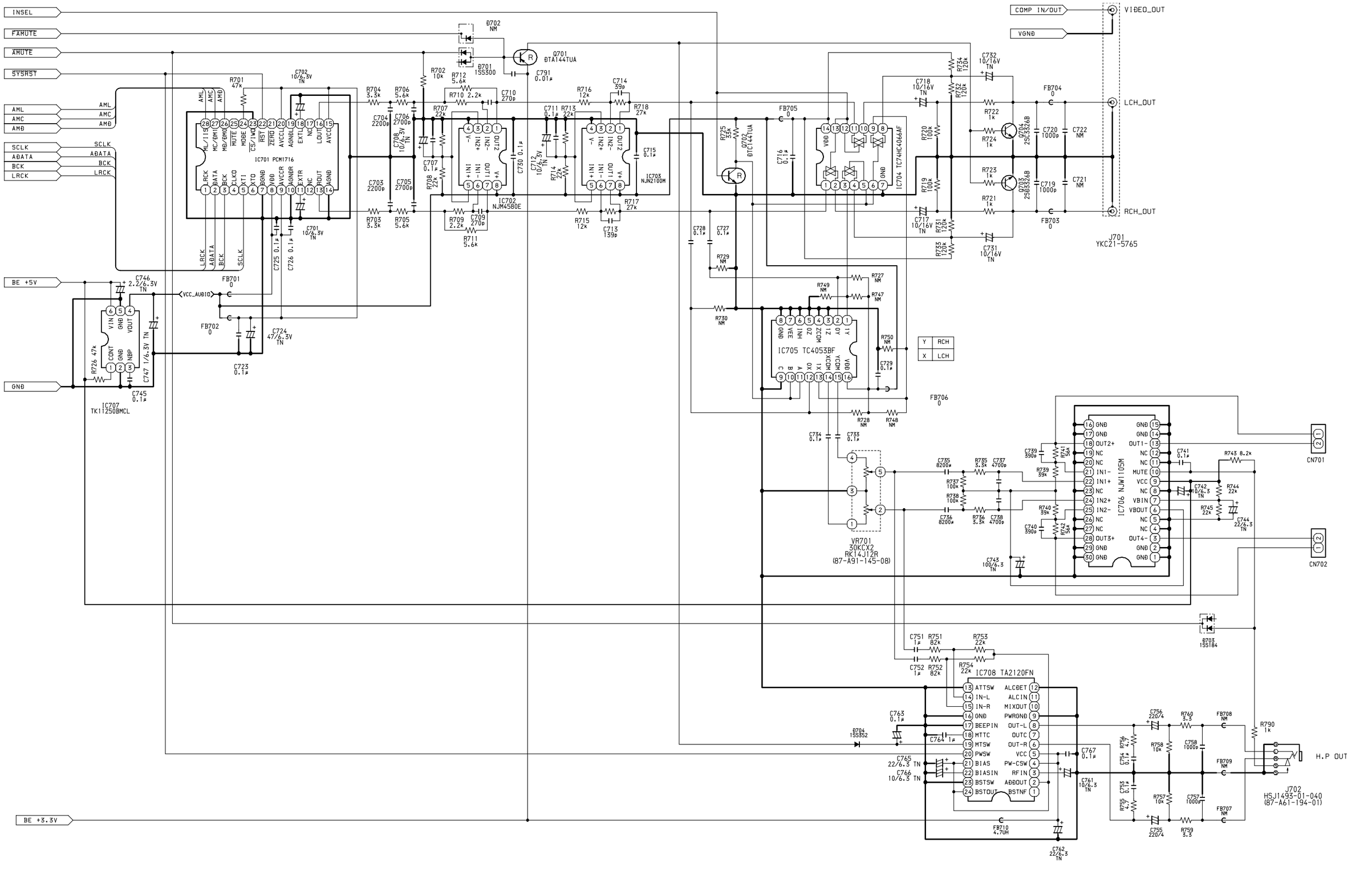
SCHEMATIC DIAGRAM-5



SCHEMATIC DIAGRAM-6

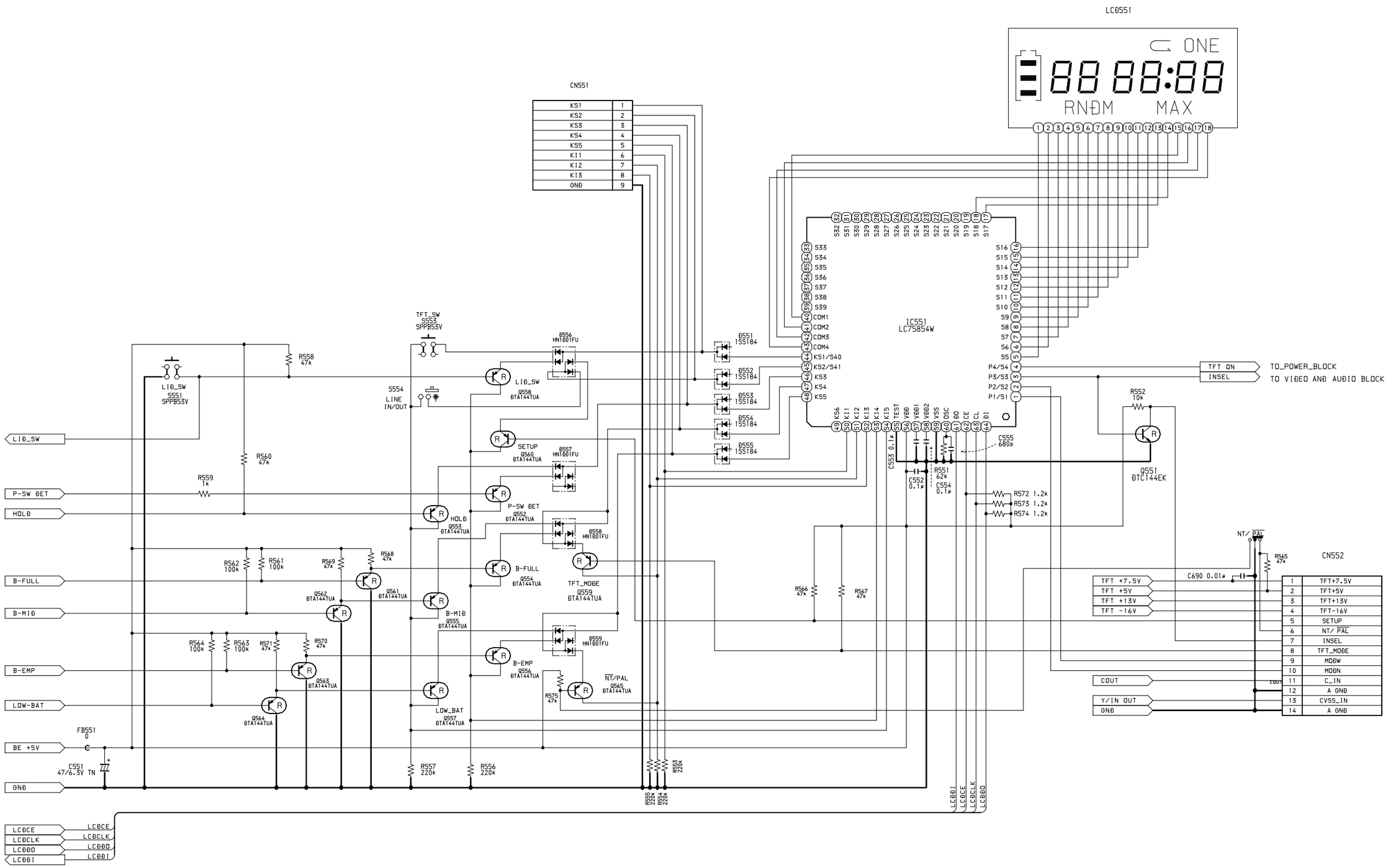


SCHEMATIC DIAGRAM-7

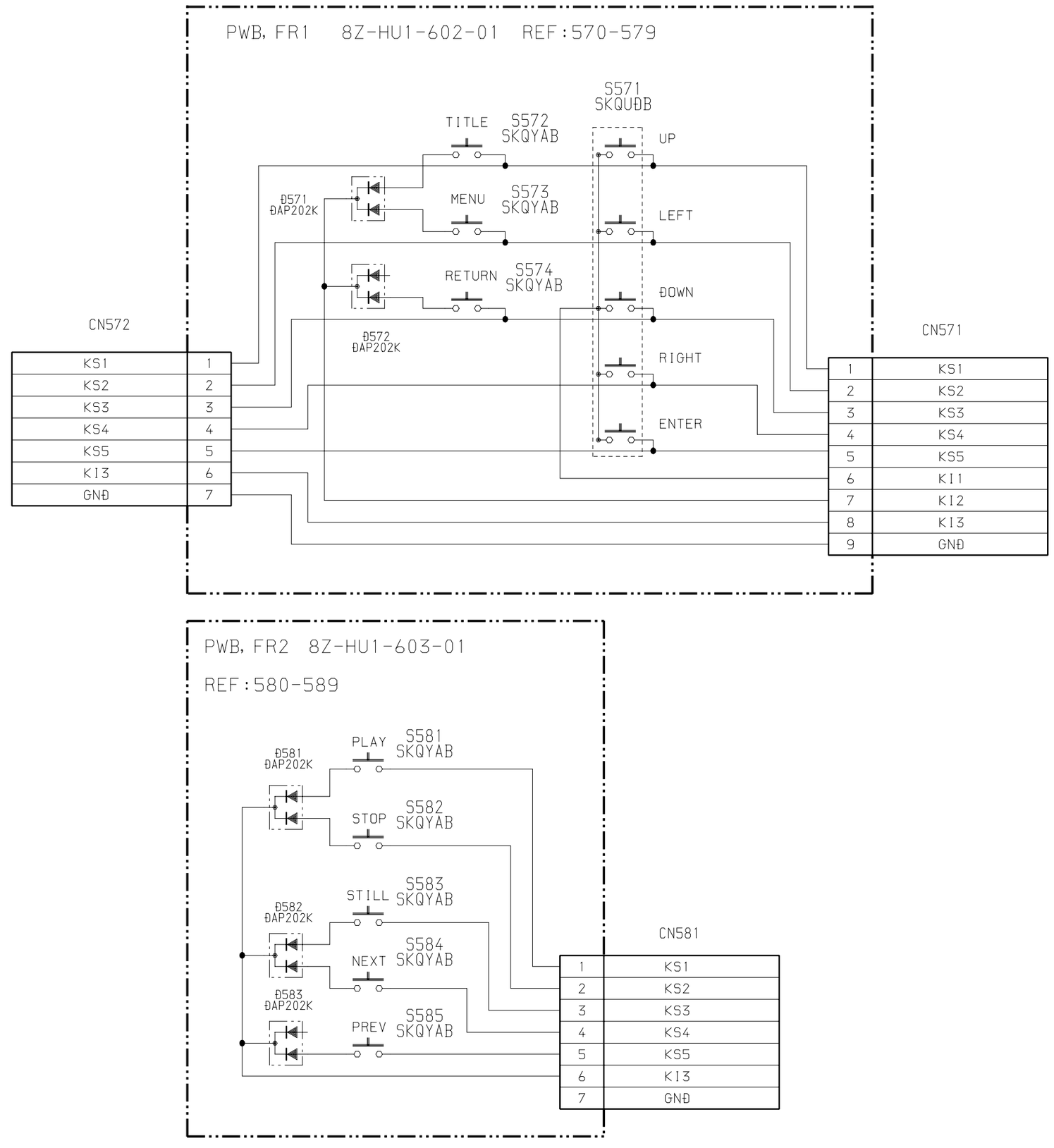


SCHEMATIC DIAGRAM-8

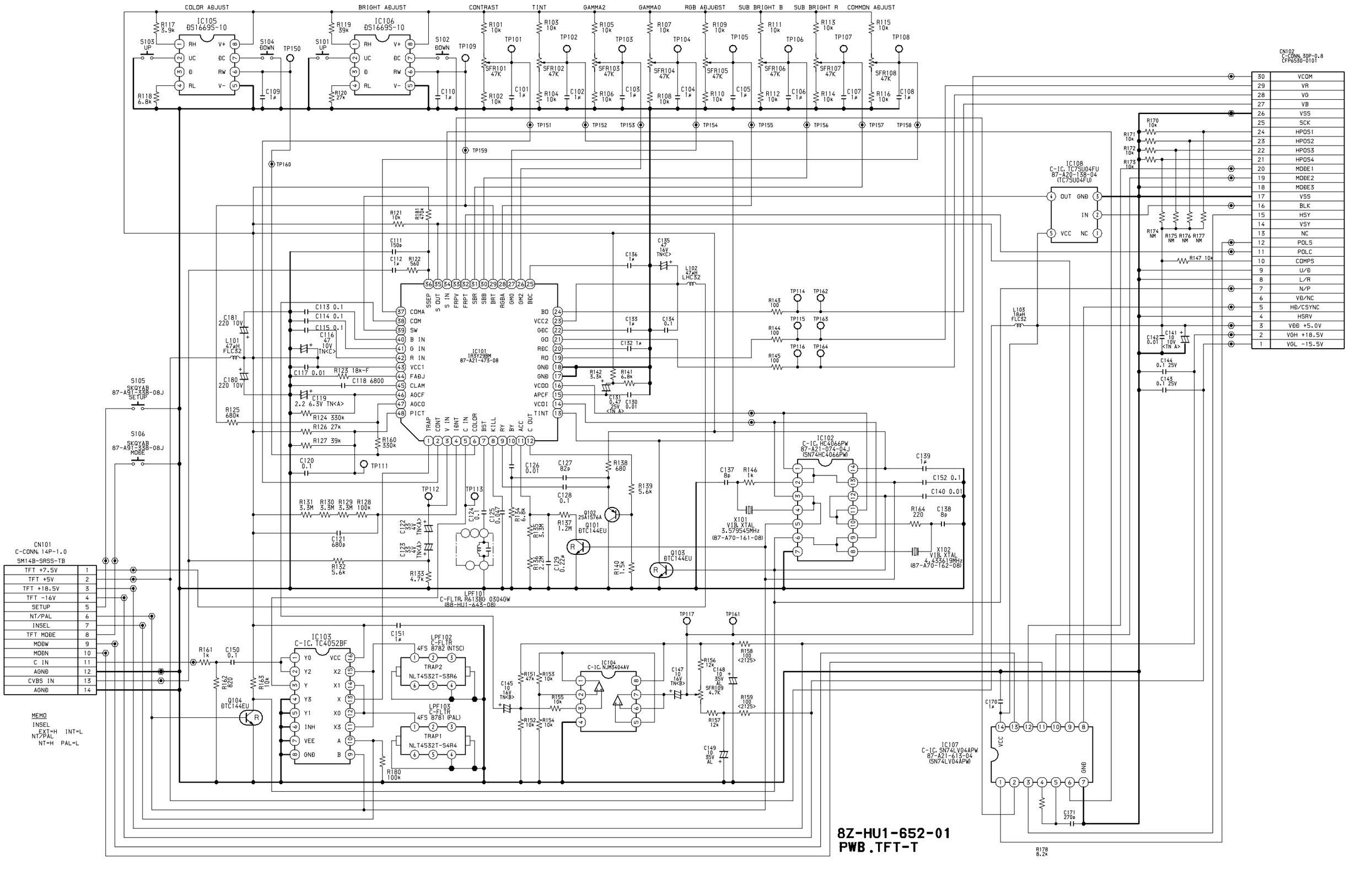
PWB, MAIN 8Z-HU1-601-01 REF:550-569



SCHEMATIC DIAGRAM-9



SCHEMATIC DIAGRAM-10



CN102	
30	VCOM
29	VR
28	VG
27	VB
26	VSS
25	SCK
24	HPOS1
23	HPOS2
22	HPOS3
21	HPOS4
20	MODE1
19	MODE2
18	MODE3
17	VSS
16	BLK
15	HSY
14	VSY
13	NC
12	POLS
11	POLC
10	COMPS
9	U/D
8	L/R
7	N/P
6	VD/NC
5	HD/CSYNC
4	HSRV
3	VDD +5.0V
2	VGH +18.5V
1	VGL -15.5V

CN101	
TFT +7.5V	1
TFT +5V	2
TFT +18.5V	3
TFT -16V	4
SETUP	5
NT/PAL	6
INSEL	7
TFT MODE	8
MODW	9
MODN	10
C IN	11
AGND	12
CVBS IN	13
AGND	14

MECHANICAL PARTS LIST - 1

NOTE: The characters in the suffix column indicate the part usage.

AHR(S) .....XX.....A.....

REF.NO		PARTS NO.	NO.	DESCRIPTION	SUFFIX
		8Z-HU1-001-110		CABI,MONITOR T	ABC
		8Z-HU1-002-110		CABI,MONITOR B	ABC
		8Z-HU1-008-010		KEY,PLAY	ABC
		8Z-HU1-009-110		KEY,MONITOR	ABC
		8Z-HU1-011-110		BTN,DISC OPEN	ABC
		8Z-HU1-012-010		WINDOW,REMOTE	ABC
		8Z-HU1-016-010		BTN,DISC SW	ABC
		8Z-HU1-017-110		PANEL,RCA	ABC
		8Z-HU1-018-010		KEY,4 IN 1	ABC
		8Z-HU1-019-010		KEY,STOP	ABC
		8Z-HU1-020-110		CABI,BAT-T	ABC
		8Z-HU1-021-110		CABI,BAT-B	ABC
		8Z-HU1-026-110		LEVER,MONITOR SW	ABC
		8Z-HU1-028-110		FOOT,DIA 10	ABC
		8Z-HU1-029-110		FOOT,MONITOR	ABC
		8Z-HU1-033-010		BADGE,DVD	ABC
		8Z-HU1-034-110		CABI,TOP ASSY	ABC
		8Z-HU1-046-010		COVER, OPEN DW1	ABC
		8Z-HU1-007-010		KNOB,LEVER A	ABC
		8Z-HU1-010-110		KNOB,LEVER OPEN	ABC
		8Z-HU1-013-110		KNOB,SL N/P	ABC
		8Z-HU1-014-210		KNOB,SL POWER	ABC
		8Z-HU1-022-010		KNOB,SL BAT	ABC
		8Z-HU1-023-010		PLATE,FRONT DC	ABC
		8Z-HU1-036-010		PLATE,BOTTOM-JP	ABC
		8Z-HU1-037-110		PLATE,DISC ASSY	ABC
		8Z-HU1-038-110		PLATE,LCD	ABC
		8Z-HU1-043-010		PLATE,BATT DC	ABC
		8Z-HU1-207-010		PLATE,BAT JOINT	ABC
		8Z-HU1-245-010		PLATE,CURSOR	ABC
		8Z-HU1-253-010		W-L,2.6-3.7-0.3	ABC
		8Z-HU1-254-010		FELT,DISK	ABC
		8Z-HU1-202-010		HLDR,MONITOR LV	ABC
		8Z-HU1-203-010		HINGE,OPEN DISC	ABC
		8Z-HU1-204-010		SHAFT,LID DISC	ABC
		8Z-HU1-208-010		COVER, BAT PIN	ABC
		8Z-HU1-209-010		HLDR,BAT PIN	ABC
		8Z-HU1-215-010		SPR-C,CURSOR	ABC
		8Z-HU1-216-010		SPR-C,BAT LOCK	ABC
		8Z-HU1-221-110		DMPR,MECHA	ABC
		8Z-HU1-222-010		HLDR,MECHA	ABC
		8Z-HU1-224-010		SPR-P,LID-JP	ABC
		8Z-HU1-225-010		SPR-P,OPEN-JP	ABC
		8Z-HU1-226-010		HLDR,LCD-JP	ABC
		8Z-HU1-227-210		HINGE,FRICTION	ABC
		8Z-HU1-230-010		JOINT,BATT-JP	ABC
		8Z-HU1-231-010		TERMINAL,BATT 4P	ABC
		8Z-HU1-233-010		TERMINAL,POWER1 ASSY	ABC
		8Z-HU1-234-010		TERMINAL,POWER2 ASSY	ABC
		8Z-HU1-241-210		SPR-T,DISC COVER	ABC
		8Z-HU1-244-010		SPR-C,OPEN-JP	ABC
		87-067-691-010		SCREW VT+1.7-6	ABC
		87-067-868-010		V+1.7-4 HL BLK	ABC
		87-067-911-010		V+1.7-10 HL BLK	ABC
		87-251-071-110		SCREW, U+2.6-4	ABC
		87-010-553-010		CAPACITOR,E47-16	.B
		87-016-558-080		C-CAP,TN47-6.3F93B	.B
		87-018-134-080		CAPACITOR,TC-U 0.01-16	.B
		87-A50-010-080		C-COIL,22UH LQH3C	.B
		87-A91-604-010		SPKR ASSY,15.5 8OHM 1W T352SX2	ABC
		87-B30-318-010		BAT,MHB-904	ABC
		8Z-HU1-608-010		POWER UNIT, A101Z1-670V6.0MA	ABC
		8Z-HU1-616-010		CONN ASSY,4P V BLK BATT	ABC
		8Z-HU1-617-010		CONN ASSY,5P V WHT BATT	ABC
		8Z-HU1-618-010		CONN ASSY,2P EARTH-MT	ABC
		8Z-JB4-639-010		CORE,ZCAT 2132-1130	.B
		8Z-YP6-613-010		F-BEAD, ZCAT3035-1330	.B
C	1	87-016-669-080		C-CAP,S 0.1-25 K B	.B
C	5	87-018-134-080		CAPACITOR,TC-U 0.01-16	.B
C	2	87-A11-282-080		C-CAP,S 1-16 K B	.B
C	3	87-A11-282-080		C-CAP,S 1-16 K B	.B
C	4	87-A11-282-080		C-CAP,S 1-16 K B	.B
C	599	87-018-117-080		CAP,TC-U 68P-50 SL	.B
C	692	87-010-371-080		CAP, ELECT 470-6.3V	ABC
C	794	87-018-134-080		CAPACITOR,TC-U 0.01-16	.B
C	791	87-018-134-080		CAPACITOR,TC-U 0.01-16	.B
CNA	0	8Z-HU1-613-010		CONN ASSY,14P WHT 110MM-MT1	ABC
CNA	0	8Z-HU1-614-010		CONN ASSY,9P WHT 60MM-SM1	ABC
CNA	0	8Z-HU1-615-010		CONN ASSY,7P WHT 60MM-SS2	ABC
D	3	87-017-931-080		ZENER,MTZJ5.6B	ABC
D	2	87-017-931-080		ZENER,MTZJ5.6B	ABC
D	1	87-017-931-080		ZENER,MTZJ5.6B	ABC
LCD	101	87-A91-535-010		LCD,LQ6BW506K-TFT	ABC
W	0	8Z-HU1-611-010		FF-CABLE, 24P 0.8 110MM TFT	ABC

ACCESSORIES LIST

NOTE: The characters in the suffix column indicate the part usage.

AHR(S) .....XX.....A.....

REF.NO	PARTS NO.	NO.	DESCRIPTION	SUFFIX
	8Z-HU1-901-210		IB,AU (E/S/F) DW1	.B.....
	8Z-HU1-902-010		IB,AHC (E/CK) -DW1	..C.....
	8Z-HU1-905-010		IB,AHR (E/CH/A) -DW1	A.....
	87-050-076-010		AC CORD SET ASSY,E	A.....
	87-A80-089-010		AC CORD SET,HC	..C.....
	87-A80-142-010		CORD,PIN 3PC366V 150CM R-W-Y	ABC.....
	87-A91-015-010		PLUG,CONVERSION JT-0475A	..C.....
	87-A91-017-010		PLUG,CONVERSION JT-0476	A.....
	87-B30-024-010		CABLE,OPTICAL MC-901	ABC.....
	87-B30-313-010		AC ADAPTOR UNIT,AC-D912U	.B.....
	87-B30-329-010		AC ADAPTOR UNIT,AC-D912HC	..C.....
	87-B30-389-010		AC ADAPTOR UNIT,AC-D912HR	A.....
	8Z-AV2-905-010		SH,COUPON DVDEXPRESS	.B.....
	8Z-HU1-621-010		RC UNIT,RC-ZVL01	ABC.....
	8Z-HU1-626-010		AC CORD SET ASSY,U BLK NI	.B.....
	8Z-JB4-639-010		CORE,ZCAT 2132-1130	.B.....

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